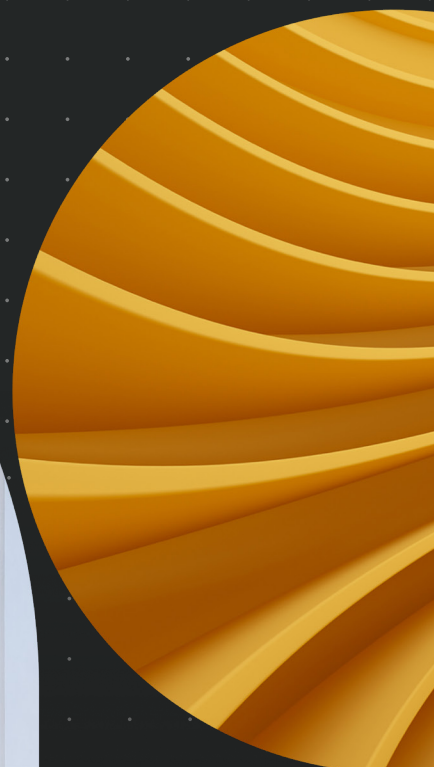




NERDERY



Cloud, Data and AI Platforms

Services Catalog

Version 1.0

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Data and Analytics Transformation

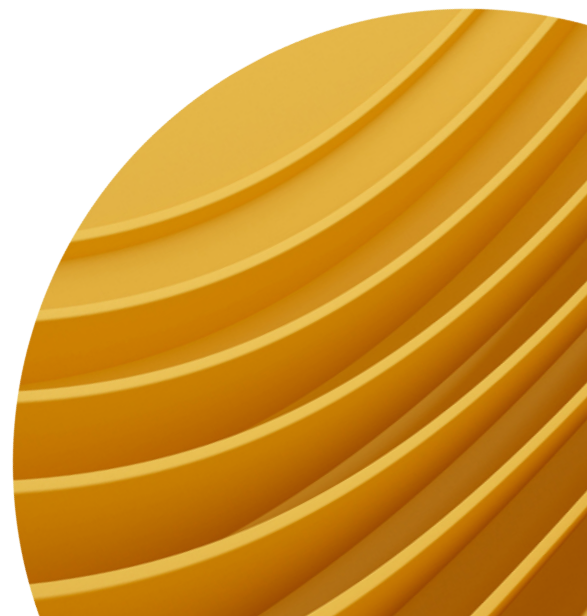
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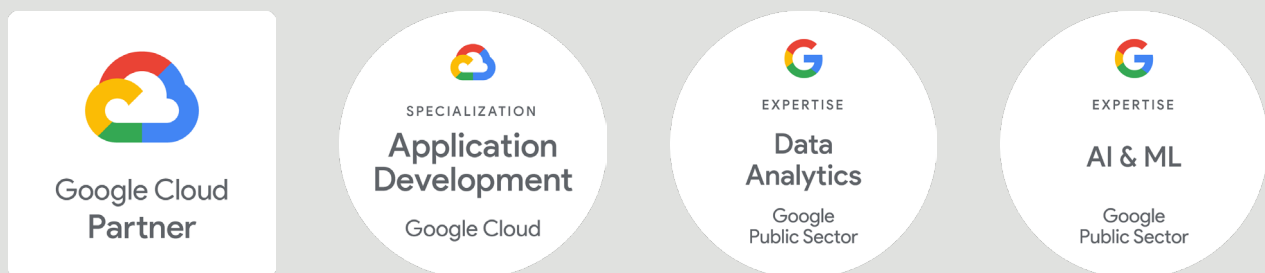


Ignite your growth with cloud, AI and data platforms

Nerdery is a digital consultancy that partners with ambitious, forward-thinking companies to solve their toughest business challenges. We go beyond simple technical implementation to build custom, high-impact digital ecosystems that make you more valuable, efficient, and competitive. Our expertise in cloud, data, and AI allows us to help you modernize your infrastructure, transform your data into a strategic asset, and empower your business with intelligent solutions.

By partnering with Nerdery, you'll gain a team of expert Nerds dedicated to accelerating your time-to-market, streamlining your operations, and ensuring your technology scales with your business goals.

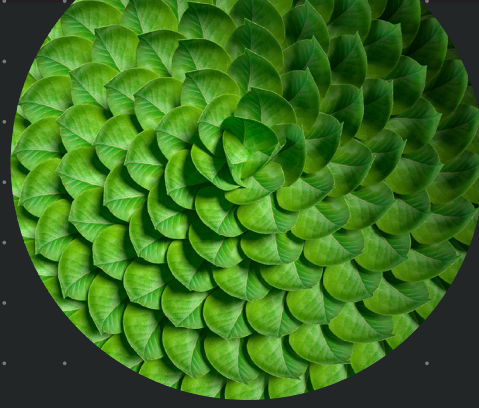
Trusted partners, endless possibilities



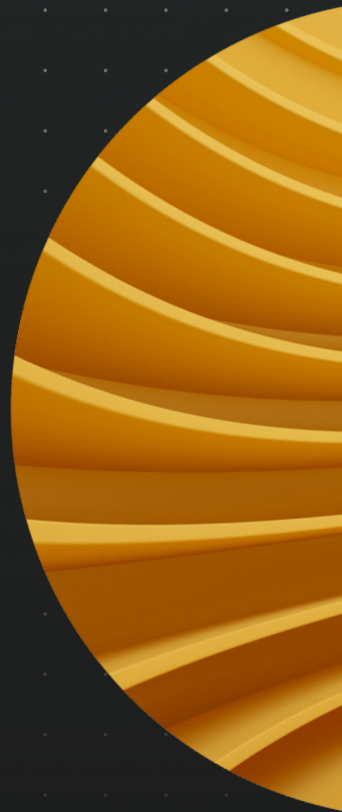
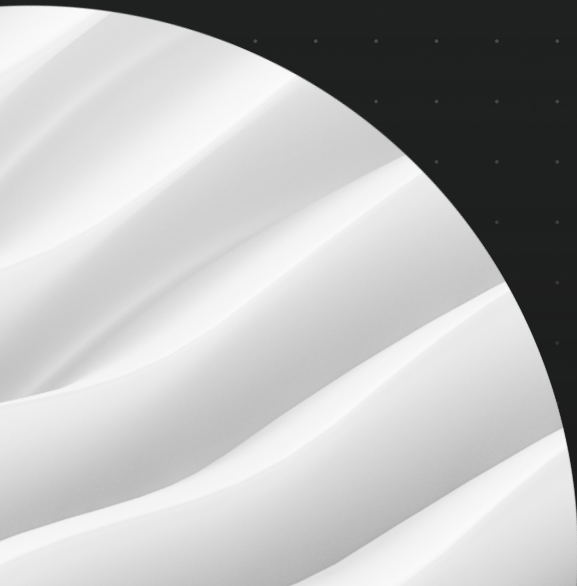
As a strategic Google Cloud Partner, Nerdery provides clients with an unbeatable combination of deep technical expertise and powerful cloud infrastructure. We leverage Google Cloud's advanced data, AI, and security capabilities to help you launch solutions faster, optimize costs, and build a foundation for unmatched business agility and growth. Our partnership is built on a shared commitment to "10X thinking" and a track record of successful collaborations, ensuring you get a partner dedicated to your success.



NERDERY



Data and Analytics Transformation



Data strategy and governance

Build a comprehensive plan that outlines how your company will collect, manage, govern, and analyze its data to achieve core business goals. Nerdery goes beyond simple analysis to help you chart a course, identify system gaps and uncover new opportunities for efficiency and growth.

Why a strategic approach to data matters



Create a unified data foundation

Get a complete picture of your data through a unified approach that centralizes your data and ensures everyone works from the same source of truth.



Bridge the gap to business alignment

Ensure the data you collect and analyze directly supports your company's objectives, turning data work into strategic value.



Build reliable data quality

Address fundamental data quality issues, from accuracy to standardization, ensuring your data is reliable and trustworthy.

Outcomes

- ✓ Enhanced decision-making
- ✓ Improved operational efficiency
- ✓ New opportunities for innovation
- ✓ Increased customer satisfaction



What to expect

- **Data structure and governance consulting**
Address data quality issues, security risks, and lack of standardization to transform raw data into valuable business assets.
- **Stakeholder interviewing**
Meet with your key stakeholders to understand their challenges, needs, and vision for the future.
- **Data accessibility and value evaluation**
Understand how your data is currently accessed and used to identify strengths and weaknesses.
- **Data process mapping and gap analysis**
Visualize how data flows throughout your organization, uncovering inefficiencies and gaps.
- **Data policies and procedures**
Establish clear, consistent rules for how data is handled, creating a culture of trust.
- **Infrastructure road map**
Build a practical framework and a clear plan to implement the right tools and processes.

GOOGLE CLOUD PRODUCTS

- BigQuery
- Cloud Run Functions
- Dataplex
- Data Fusion
- Dataflow

RELATED NERDERY SERVICES

- Cloud Migration and Modernization
- Data Engineering and Analytics
- Data Visualization

Advanced analytics

Access the full potential of your data by tapping into powerful tools such as predictive modeling, machine learning, and natural language processing. We enable you to move beyond simple reporting to make informed, strategic decisions that drive business growth and success.

Accelerate your growth



Proactive and predictive decision-making

Use data to predict future outcomes and make smarter, forward-looking decisions.



Enhanced operational efficiency

Optimize your business processes and reduce costs by finding hidden inefficiencies.



Create new revenue streams and opportunities

Discover new ways to grow your business and innovate with data-driven insights.



Gain a sustainable competitive advantage

Outpace your competition by anticipating market shifts and customer needs.

Outcomes

- ✓ Clear, actionable insights
- ✓ Accessible and trusted data
- ✓ Empowered, data-driven teams



What to expect



Define your goal

Together, we clarify the business question that matters most. Instead of just asking what happened, we focus on what's likely to happen — aligning the model to your strategic priorities.



Prepare and model data

We unify your data sources and build predictive models trained on historical patterns. Using advanced algorithms and rigorous testing, we ensure accurate, reliable predictions that scale with your business.



Deliver actionable insights

Beyond predictions, we translate results into clear recommendations. The outcome is a roadmap your team can act on immediately — directly linking data science to measurable business value.

GOOGLE CLOUD PRODUCTS

- BigQuery
- Looker
- Dataflow
- Dataform
- Pub/Sub
- Datastream

RELATED NERDERY SERVICES

- Data Engineering Services
- Data Visualization Services
- AI/ML Strategy Consulting
- Data Governance and Management

Data visualization

Transform complex, raw data into clear, insightful visual masterpieces. Nerdery goes beyond standard dashboards to create custom, intuitive solutions that help you understand your data's story and make smarter, faster decisions.

Empower your team with powerful tools and insights



Transform unclear data into simple visuals

Solve the problem of complex, ambiguous data by transforming it into easy-to-understand visuals that everyone in your organization can use, so you can make smarter decisions, faster.



Accelerate decision-making

Get a real-time, visual overview of your business, so you can quickly identify trends, act on opportunities, and outpace the competition.



Ensure data is accessible

Make sure your data is accessible to the right people, with tailored dashboards and trainings that empower your entire team to make data-driven decisions with confidence.

Outcomes

- ✓ Clear intuitive dashboards
- ✓ Increased productivity
- ✓ Improved profitability



What to expect

We use a four-step process to ensure your data not only looks great but also tells a compelling story that drives business outcomes.

> Define your goal

We begin by collaborating with you to define the central question you're trying to understand. This clarity of purpose dictates every decision we make from here on out, from data selection to visual design.

> Prepare the data foundation

We don't just gather information; we integrate, cleanse, and prepare your data to ensure it's accurate and relevant. This foundational step is critical, as the quality of the data directly determines the accuracy of the insights.

> Choose the right visual narrative

We select the optimal visual type — be it a line chart for trends or a scatter plot for relationships — that intuitively presents your information.

> Tell a memorable story

The final visualization is more than just a chart; it's a narrative. We add a clear title, labels, and context that helps to guide your audience and deepen understanding.

GOOGLE CLOUD PRODUCTS

- Looker
- BigQuery

RELATED NERDERY SERVICES

- Data Engineering Services
- Advanced Analytics
- Data Strategy and Governance

Data analytics foundations

Jumpstart your cloud journey with a ready-to-deploy Google Cloud environment, preconfigured for security, scalability, and speed. Delivered in weeks, not months, it includes core infrastructure, one integrated data source, and a prebuilt dashboard for immediate insights.

A launchpad for your data, analytics, and AI solutions



Accelerate time-to-value

Solve the problem of projects taking months to set up by delivering a solution in weeks, accelerating your time-to-value and providing immediate insights.



Eliminate technical complexity

Remove the complexity of building a foundational data and analytics platform from scratch. Our solution is preconfigured for security, scalability, and speed.



Reduce risk with predictable costs

Reduce the risk of implementation failure with predictable pricing, allowing you to confidently scale toward a data-driven future without budget surprises.

Outcomes

- ✓ Clear intuitive dashboards
- ✓ Increased productivity
- ✓ Improved profitability



What to expect

The Data Analytics Foundation is a fast, simple, and predictable journey designed to get you up and running quickly.

➤ **Define your needs**

We start by working with you to understand your core data needs and business goals.

➤ **Rapid deployment**

We deploy a preconfigured Google Cloud environment with core infrastructure and your first integrated data source.

➤ **Immediate insights**

We connect a prebuilt dashboard to your data, providing you with immediate, actionable insights from day one.

➤ **Launchpad for growth**

The entire process is delivered in weeks, providing you with a strong foundation to confidently scale all your future data, analytics, and AI initiatives.

GOOGLE CLOUD PRODUCTS

- Looker Studio
- BigQuery
- Cloud Storage
- Dataflow

RELATED NERDERY SERVICES

- Data Engineering Services
- Data Visualization Services
- AI / ML Strategy Consulting
- Data Strategy and Governance
- Cloud Strategy and Foundations

Data engineering

Build the necessary foundational infrastructure — from data centralization to automated data pipelines — that makes your data reliable and ready for analysis. Our work ensures your data is clean, secure, and accessible, empowering your entire organization to make better decisions.

Transform your data into a strategic asset



Centralize data

Bring scattered data together into a single source of truth, enabling consistent, organization-wide reporting and analytics.



Eliminate manual processes

Automate the flow of your data, eliminating manual, time-consuming tasks and reducing the risk of human error.



Ensure high-quality, trusted data

Apply rigorous quality and security controls, so your data is accurate, compliant, and ready for advanced analytics.

Outcomes

- ✓ Reliable and scalable infrastructure
- ✓ Faster, more confident decision-making
- ✓ Improved operational efficiency



What to expect

Nerdery's approach ensures your data is ready to drive strategic business decisions.

> Define your strategy and architecture

Our process begins by aligning with your business needs and defining a data strategy. This involves identifying all relevant data sources and designing the foundational architecture.

> Ingest and centralize your data

We build automated data pipelines to reliably collect data from its various sources. This raw data is then ingested into a central location, creating a single source of truth.

> Transform and model your data

Once data is centralized, we transform it into a usable format. This involves cleaning, enriching, and validating the data, handling missing values, and structuring it into logical models. The output is a high-quality dataset ready for analysis.

> Automate your pipelines

To ensure data freshness and reliability, we automate the entire process. We implement an orchestration layer that schedules and manages your data pipelines, monitoring for any failures and ensuring data is always available when you need it.

GOOGLE CLOUD PRODUCTS

- BigQuery
- Dataflow
- Dataproc

RELATED NERDERY SERVICES

- Data Strategy
- Data Governance and Management
- Advanced Analytics
- Data Visualization

Data warehouse modernization and migration

Move from outdated data systems to a modern, scalable cloud-based platform. Nerdery focuses on building a robust data foundation, including data warehouses and data lakes, that prepares you for the future. This centralized and transformed data sets the stage for advanced analytics and smarter decision-making.

Build a modern data foundation



Migrate to modern infrastructure

Move from slow, expensive, or on-premise data systems to a scalable, modern cloud infrastructure.



Centralize your data

Solve the problem of data being scattered across different systems by creating a single, centralized repository.



Democratize data

Streamline the flow of your data, transforming it from raw format into a clean, usable asset for your entire organization.

Outcomes

- ✓ Enable AI/ML and advanced analytics
- ✓ Scalability and cost efficiency
- ✓ Enhanced performance and agility
- ✓ Improved governance and security



What to expect

> **Discovery and strategy**

We begin with a strategic plan, assessing your current data landscape and defining clear business objectives for the migration. This phase is all about creating a precise roadmap that aligns the project directly with your business goals.

> **Data migration and validation**

This is the technical execution. We prepare the new cloud environment and move your data in a controlled, phased approach. Throughout the process, we use rigorous validation to ensure data integrity and accuracy, guaranteeing a complete and successful transfer.

> **Deployment and continuous improvement**

The final step is to officially transition to the new data warehouse. We enable your teams to use the new platform and then work with you to continuously optimize the system, unlocking new opportunities through advanced analytics and innovation.

GOOGLE CLOUD PRODUCTS

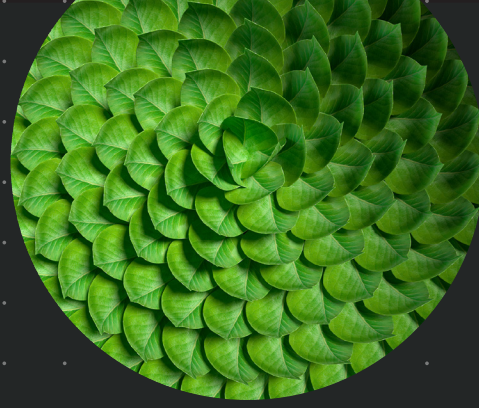
- BigQuery
- Google Cloud Platform
- Dataproc
- Looker
- Cloud SQL
- Cloud Run

RELATED NERDERY SERVICES

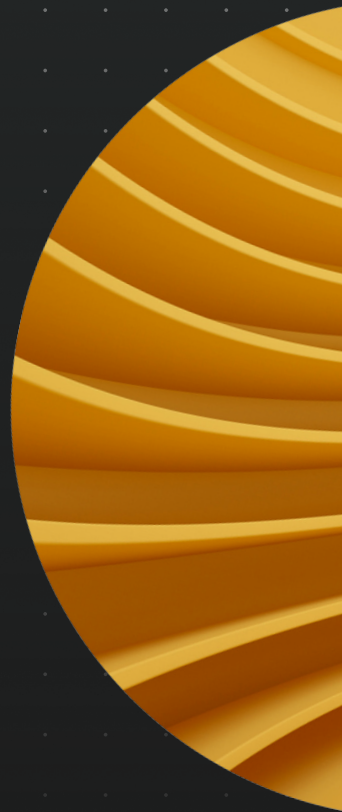
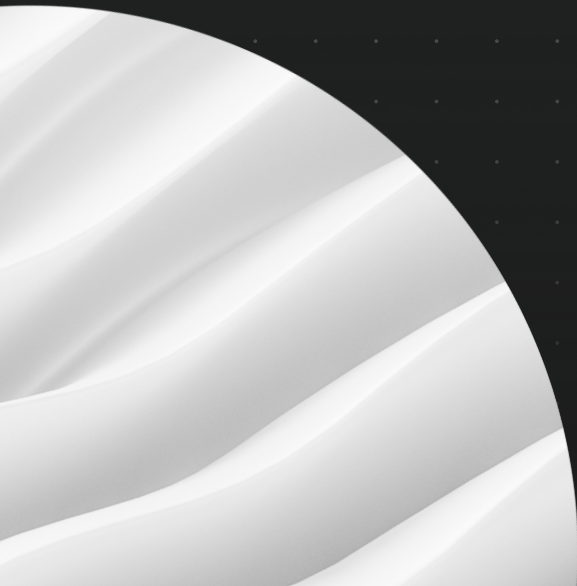
- Data strategy and governance
- Advanced analytics
- Data visualization
- AI and ML services
- Cloud and infrastructure modernization



NERDERY



AI and Machine Learning Optimization



AI/ML strategy

Craft tailored, high-impact AI/ML strategies that support digital transformation initiatives. Nerdery focuses on identifying high-value opportunities and building a responsible, scalable foundation for your intelligent solutions.

Your path to AI/ML success



Identify high-impact opportunities

Pinpoint and prioritize the use cases that will deliver the greatest value, giving you a clear roadmap from day one.



Turn data into actionable intelligence

Go beyond raw data to create solutions that turn information into clear, strategic intelligence.



Build responsible, scalable solutions

Ensure your AI/ML solutions are secure, built with ethical practices and designed to grow with your business.

Outcomes

- ✓ Accelerated time-to-value
- ✓ Maximized ROI
- ✓ Responsible innovation



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AI & ML

Google
Public Sector

What to expect



Use case ideation and prioritization

We work with you to identify and prioritize AI/ML opportunities that align with your business goals.



Data readiness assessment

Understand if your data is ready — clean, high-quality, and prepared for AI/ML applications.



Platform selection and implementation

We help you choose and implement the right scalable platforms that integrate with your existing systems.



Rapid prototyping

We quickly build proof-of-concept models to test your ideas, reduce uncertainty, and fast-track implementation.



Secure and responsible AI implementation

We embed responsible AI guidelines and frameworks into every step of the process to ensure your solutions are transparent and accountable.

GOOGLE CLOUD PRODUCTS

- Vertex AI
- BigQuery
- TensorFlow
- Agentspace
- Agent Development Kit (ADK)

RELATED NERDERY SERVICES

- Data Strategy and Governance
- Data Engineering Services
- Advanced Analytics
- Data Visualization
- Cloud and Infrastructure Modernization

AI Agent development

Automate high-effort tasks and processes with custom-built intelligent agents. Nerdery designs and builds agents that work around the clock, expanding your team's capacity and accelerating your workflows.

Reach new levels of productivity and efficiency



Automate high-effort tasks

Create agents that can manage manual, repetitive tasks autonomously, freeing your team's time and resources to focus on high-value, strategic work.



Achieve unlimited scalability

Our agentic systems are designed to manage growing complexity without a corresponding increase in headcount, allowing your business to scale its impact without raising its overhead.



Accelerate workflows and response times

AI agents operate 24/7, reducing response times and speeding up workflows to deliver faster outcomes and a competitive advantage.

Outcomes

- ✓ Continuous delivery
- ✓ Increased team efficiency
- ✓ Expanded capacity
- ✓ Improved decision making



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What to expect

- ① **Discovery and goal definition**
Define the purpose, scope, and specific problems your AI agent will solve.
- ② **Data readiness assessment**
Understand if your data is ready — clean, high-quality, and relevant to train the agent.
- ③ **Architecture design**
Design the system, choosing the appropriate models and tools for the project, and begin Custom Agent Development.
- ④ **Testing and validation**
Rigorous testing is performed to ensure the agent's functionality, accuracy, and performance.
- ⑤ **Deployment and integration**
The AI agent is seamlessly integrated into your existing systems and workflows.
- ⑥ **Monitoring and optimization**
We provide continuous monitoring and updates to enhance the agent's effectiveness.

GOOGLE CLOUD PRODUCTS

- Agentspace
- Agent Development Kit (ADK)
- VertexAI

RELATED NERDERY SERVICES

- AI/ML Strategy Consulting
- Data Engineering Services
- Data Strategy and Governance

Agentic workflows and integration

Connect and automate complex business processes using intelligent AI agents. Nerdery designs and builds seamless workflows that allow agents to interact with your existing systems, from your CRM to your internal databases.

Build smart, interconnected solutions



Connect your entire tech stack

Many businesses struggle with data silos and manual handoffs. We build workflows that allow intelligent agents to integrate with and orchestrate tasks across your entire tech stack.



Create cohesive, end-to-end automation

Your business may have pockets of automation, but they don't work together. We connect these disparate solutions into a cohesive, end-to-end workflow that drives greater efficiency and value.



Automate complex, multi-step processes

Automate complex, multi-step processes that drain time and resources. This frees up your team to focus on high-value, strategic work.

Outcomes

- ✓ End-to-end automation
- ✓ Improved operational Efficiency
- ✓ Reduced human error
- ✓ Accelerated time-to-market
- ✓ Increased productivity and innovation



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What to expect

- ① **Discovery and goal definition**
Begin by mapping current workflows to identify key pain points and define the scope for automation.
- ② **Workflow design and architecture**
Next we design the blueprint for your agentic workflow, including the communication protocols and integration points needed to connect your systems.
- ③ **Agent development and integration**
We develop and train the necessary AI agents and integrate them seamlessly with your existing technology stack.
- ④ **Testing and validation**
Rigorous testing is performed to ensure the agent's functionality, accuracy, and performance.
- ⑤ **Deployment and optimization**
The solution is deployed, and we provide ongoing monitoring and iterative updates to ensure continuous improvement and optimal performance.

GOOGLE CLOUD PRODUCTS

- VertexAI
- Agent Development Kit (ADK)
- Pub/Sub
- Google Cloud Storage

RELATED NERDERY SERVICES

- AI and ML strategy consulting
- AI Agent Development
- Data Engineering Services

Contact Center as a Service (CCaaS)

Transform customer support by integrating intelligent AI and machine learning into your contact center. Nerdery uses AI to automate interactions, streamline workflows, and empower your teams to provide a better customer experience.

A better way to deliver superior customer service



Reduce wait times and frustration

Solve the problem of long wait times and frustrated customers by deploying AI agents that can handle common inquiries.



Boost agent efficiency and productivity

Provide your teams with real-time assistance and automated workflows, dramatically increasing their productivity and job satisfaction.



Gain powerful business insights

Analyze every agent interaction, providing you with powerful, data-driven insights to optimize your strategy and improve outcomes.

Outcomes

- ✓ Increased customer satisfaction
- ✓ 24/7 support and quicker resolutions
- ✓ Reduced operational costs
- ✓ Empowered human agents



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What to expect

- ① **Discovery and goal definition**
Analyzing your current contact center operations helps to identify key pain points and define the scope for AI implementation.
- ② **Workflow design and architecture**
We design the blueprint for your CCaaS solution, including how AI agents will interact with your customers and your human agents.
- ③ **Agent development and integration**
We develop and train the necessary AI agents and integrate them seamlessly with your existing contact center platform.
- ④ **Testing and validation**
Rigorous testing is conducted to ensure the agent's functionality, accuracy, and performance.
- ⑤ **Deployment and optimization**
The solution is deployed, and we provide ongoing monitoring and iterative updates to ensure continuous improvement and optimal performance.

GOOGLE CLOUD PRODUCTS

- Dialogflow
- CCaaS
- Agent Development Kit (ADK)
- BigQuery
- Agent Engine

RELATED NERDERY SERVICES

- AI Agent Development
- Data Engineering Services
- AI/ML Strategy Consulting

Generative AI development

Tap into the power of artificial intelligence to drive transformation and create unparalleled growth opportunities. Nerdery goes beyond simple tools to provide a comprehensive suite of services that streamline operations, bridge skills and labor gaps, and ensure your decisions are backed by data.

Build your AI advantage



Automate manual workflows

Streamline high-effort, manual processes, saving you significant time and resources.



Drive decisions with actionable insights

Turn your complex data into actionable insights, ensuring your strategic decisions are driven by business intelligence.



Competitive advantage

Our solutions are proactive, anticipating and offering approaches to real-world problems before they become critical, helping you stay ahead of the competition.

Outcomes

- ✓ Streamlined operations
- ✓ Business transformation
- ✓ New revenue streams
- ✓ Proactive intelligence



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AI & ML

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Public Sector

What to expect

Redefine your operational landscape, building solutions that are tailored to how you work. Instead of disrupting your existing workflows, we fast-track innovation and modernize your business.

➤ **Fast-track innovation with GCP-aligned pilots**

We use industry best practices and Google Cloud Partnership guidelines to facilitate AI pilots. This allows you to swiftly test and implement solutions that seamlessly integrate with Google Cloud products and your current systems.

➤ **Scale with robust infrastructure support**

Robust infrastructure support and specialized talent that help you seamlessly integrate generative AI platforms into your existing systems and data infrastructure. Our support scales with your needs, from managing vector databases to providing expertise in prompt engineering and MLOps.

➤ **Turn data into proactive intelligence**

Generate insights, predictions, and content directly from your operational data; anticipate and solve real-world problems before they become critical, keeping you ahead of the competition.

➤ **Bring your teams along with you**

Nerdery provides training and support to help your teams confidently and securely adopt generative AI solutions. By empowering employees, you overcome resistance to change and embed AI into your daily operations for long-term growth.

GOOGLE CLOUD PRODUCTS

- Vertex AI
- Agent Development Kit (ADK)
- Generative App Builder

RELATED NERDERY SERVICES

- AI/ML Strategy Consulting
- Data Engineering Services
- Data Strategy and Governance
- Cloud and Infrastructure Modernization

MLOps

Streamline the entire lifecycle of your machine learning models, from development to deployment and ongoing management. Nerdery creates a scalable and robust framework that integrates seamlessly into your existing IT ecosystem.

Bridge the gap between data science and IT operations



Automate manual and inefficient processes

Solve the problem of manual, time-consuming workflows by automating the deployment and management of your models.



Ensure model reliability and performance

Implement continuous monitoring to track performance, prevent drift and ensure your models remain reliable, effective, and up-to-date.



Build a scalable data infrastructure

Build a scalable infrastructure that can handle a growing number of models and larger data volumes, preventing your data operations from becoming a bottleneck..

Outcomes

- ✓ Rapid deployment
- ✓ Faster time-to-market
- ✓ Streamlined ML lifecycle management



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What to expect

> Scalable model deployment

We design and deploy scalable ML infrastructure that leverages cloud services and tools like Kubernetes for container orchestration. Our focus is on reliability and efficiency, ensuring your models perform optimally regardless of scale.

> Automated CI/CD pipelines

We build automated CI/CD pipelines specifically for machine learning, streamlining the testing and deployment processes to accelerate your time to market.

> Continuous monitoring and performance tracking

To ensure long-term value, we implement continuous model monitoring and performance tracking to maintain accuracy over time and adapt to new data.

> Efficient version control and feature stores

We build robust version control systems for both models and datasets, enabling efficient tracking and easier rollbacks. Our expertise in setting up and managing feature stores ensures your data is organized and consistent, which enhances overall model performance.

GOOGLE CLOUD PRODUCTS

- Vertex AI
- Google Kubernetes Engine (GKE)
- Cloud Build

RELATED NERDERY SERVICES

- Data Engineering Services
- AI and ML Strategy Consulting.
- AI Agent Development Services

AI/ML tools and implementation

Select and integrate the right AI and machine learning tools into your business. We don't just recommend a platform; we build a complete solution that is tailored to your unique data and business goals. Our focus is on making sure your AI/ML tools are not just installed, but are fully operational and delivering real value.

Get the most out of your AI/ML tools



Implement tools that deliver tangible value

Stop investing in expensive AI tools that end up going unused. Nerdery helps you select and implement tools that become a valuable part of your operations.



Simplify technical complexity

Implementing AI and ML tools can be daunting. We simplify the process by handling the technical complexities, from setup to integration, so your team can focus on their work.



Unlock actionable insights

Ensure your tools are configured to deliver the specific, actionable intelligence you need to make confident business decisions.

Outcomes

- ✓ Maximized ROI
- ✓ Operational efficiency
- ✓ Empowered teams



EXPERTISE

AI & ML

Google
Public Sector

What to expect

Our approach is designed to ensure a seamless and successful implementation, moving beyond simply deploying software.

> Needs assessment

We begin with a deep dive into your business to understand your specific challenges and technical requirements.

> Tool selection

Based on our assessment, we recommend the ideal AI/ML tools that align with your data, existing infrastructure, and business goals.

> Custom implementation

Our expert Nerds handle the entire implementation process, including integration with your current systems and custom configuration.

> Training and support

We provide comprehensive training to your team to ensure confident adoption and offer ongoing support to keep your tools running optimally.

GOOGLE CLOUD PRODUCTS

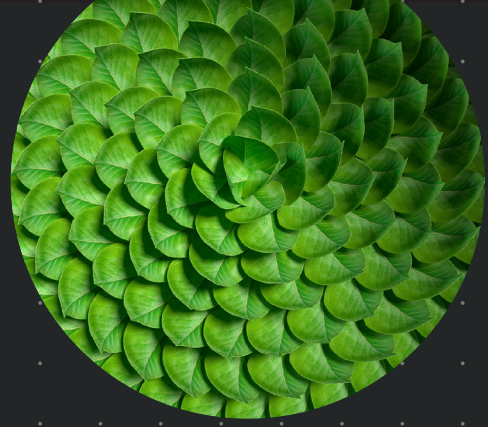
- Vertex AI
- BigQuery ML
- Looker
- Google STT and TTS models
- Google translate models
- Google vision AI
- DocAI
- Image Generation with Imagen
- Video Generation with Veo3

RELATED NERDERY SERVICES

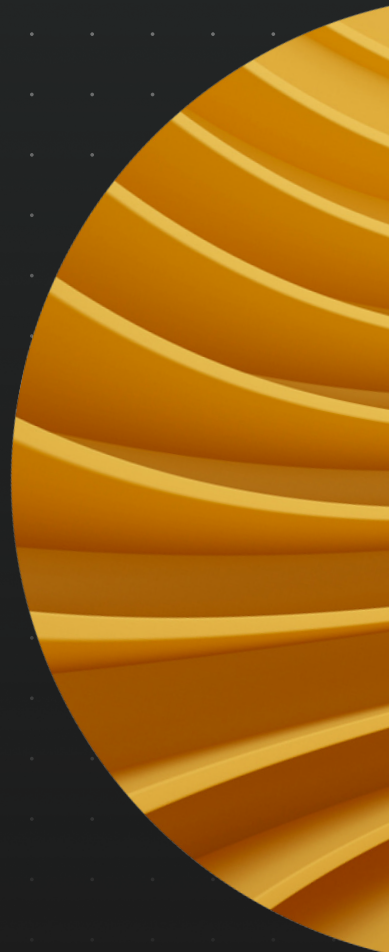
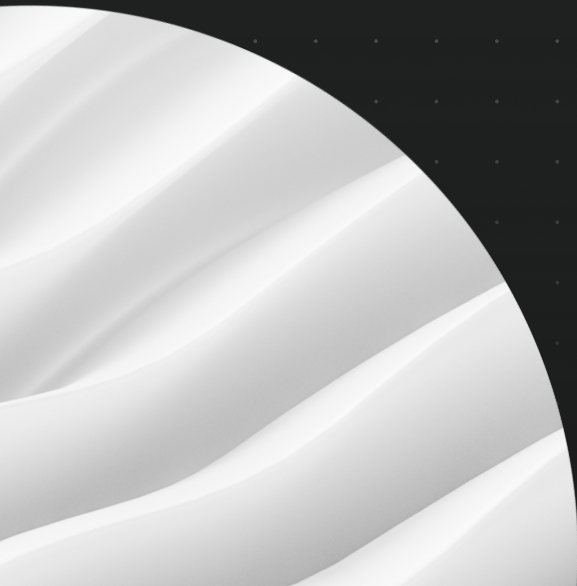
- AI/ML Strategy Consulting
- Data Engineering Services
- MLOps Services



NERDERY



Cloud and Infrastructure Modernization



Cloud strategy and foundations

Create a secure, cost-efficient, and scalable cloud environment. Nerdery crafts a custom roadmap for cloud adoption and builds a strong foundation that enables business agility, unlocks new growth opportunities, and is optimized for AI and ML technologies.

Transform your operations and prepare your business for the future



Build a clear cloud roadmap

Know the best place to start your cloud journey with a clear, custom roadmap that aligns with your business goals.



Ensure security and compliance

Implement robust security frameworks and governance models so you know your data and operations are secure and compliant.



Control and optimize cloud costs

Manage and control cloud spending through cost optimization plans and ongoing management, ensuring you pay only for what you use, so you can maximize your investment.

Outcomes

- ✓ Scalable and cost-efficient environment
- ✓ New growth opportunities
- ✓ Enhanced decision-making
- ✓ Competitive advantage



SPECIALIZATION

Application
Development

Google Cloud

What to expect

- 
- 
- **Cloud assessment and planning**
We begin with a deep dive into your IT environment to create a custom roadmap for cloud adoption, identifying readiness gaps and optimization opportunities.
 - **Cloud migration strategy**
Next, we help you create a strategy for transitioning your applications and data to the cloud with minimal disruption to your business.
 - **Cloud security and compliance**
From there, we design and implement robust security and governance models to protect your data and ensure compliance.
 - **Cost optimization**
We provide a customized plan to control cloud spending and offer recommendations to reduce expenses.
 - **Ongoing management**
We provide managed services for your cloud infrastructure, ensuring reliable and scalable performance.

GOOGLE CLOUD PRODUCTS

- Google Compute Engine
- Google Cloud Storage
- Cloud SQL
- Cloud Spanner
- Sole-Tenant / Bare Metal Solutions
- Cloud Key Management Services
- Cloud Identity & Access Management
- Google Cloud VMware Engine (GCVE)
- NetApp Cloud Volumes Services (CVS)
- Migrate for Compute Engine

RELATED NERDERY SERVICES

- Cloud Strategy and Foundations
- Advanced Analytics
- AI/ML Strategy
- Generative AI Development
- Cloud Architecture Design

Cloud application modernization and migration

Move from outdated software systems to modern, cloud-based solutions. Get a clear roadmap and a disciplined process to ensure a smooth transition with minimal disruption. Our goal is to enhance your application's performance, security, and scalability, while reducing operational costs and modernizing your business.

Why you need it



Improve performance and reduce costs

Solve the problem of legacy systems that are slow and expensive to maintain. Our services optimize your application to reduce costs while improving speed and reliability.



Enhance user experience and boost loyalty

Outdated applications lead to a bad user experience. Nerdery transforms your applications to boost performance and improve security.



Accelerate innovation and agility

Transition to a cloud-native architecture that allows for the rapid development and launch of new features, so you can respond quickly to market demands.

Outcomes

- ✓ Increased agility and scalability
- ✓ Improved reliability and resilience
- ✓ Cost optimization
- ✓ Enhanced performance and user experience



SPECIALIZATION

**Application
Development**

Google Cloud

What to expect

NerDery ensures your modernization and migration journey is a success. First we assess your existing architecture to identify pain points and growth opportunities. We then collaborate with you to define a goal-oriented modernization strategy that aligns with your business objectives.

Our approach is flexible and uses a “6 Rs” roadmap, which includes:

1. **Rehost:** A quick lift-and-shift approach with no code changes.
2. **Replatform:** Fine-tuning applications to take advantage of the cloud.
3. **Refactor:** Redesigning applications to fully leverage the cloud’s potential.
4. **Re-architect:** Building from scratch with the latest cloud technologies.
5. **Replace:** Adopting a new solution that offers enhanced functionality.
6. **Retain:** Identifying what stays on-premise for a balanced strategy.

Finally, we integrate DevOps practices and provide comprehensive documentation and training to foster a culture of continuous learning and ensure seamless, ongoing performance.

GOOGLE CLOUD PRODUCTS

- Google Kubernetes Engine
- Cloud Run
- Cloud Build
- App Engine
- Anthos (Hybrid/Multi-Cloud)
- Migrate for Containers
- Artifact Registry

RELATED NERDERY SERVICES

- Cloud Strategy and Foundations
- Advanced Analytics
- AI/ML Strategy
- Generative AI Development
- Cloud Architecture Design

Cloud architecture design

Build a modern, scalable, and automated cloud foundation. Nerdery designs a purpose-built cloud infrastructure and uses Infrastructure as Code (IaC) to automate its deployment, ensuring your systems are reliable, secure, and cost-efficient.

Build for speed, scale, and innovation



Optimize performance and control costs

We solve the problem of inefficient cloud spending and poor performance by designing and implementing an optimized cloud architecture tailored to your specific needs.



Automate deployments and reduce errors

We eliminate manual processes by using IaC to automate deployments, which ensures consistency, reduces human error, and allows for faster rollbacks.



Build a scalable cloud infrastructure

We ensure your cloud infrastructure is built to scale with your business, providing operational agility and continuity for future growth without a corresponding increase in overhead.

Outcomes

- ✓ Rapid and repeatable deployments
- ✓ Accelerate your time-to-market
- ✓ Cost optimization
- ✓ Enhanced security and reliability



What to expect

> In-depth assessment

We begin with an in-depth assessment of your business goals, current infrastructure, and growth potential to ensure our solution is purpose-built for you.

> Architecture blueprint

We create a tailored cloud architecture blueprint, utilizing best practices and advanced tools to design an efficient, scalable, and secure solution.

> Infrastructure as Code (IaC)

We write your infrastructure code using tools like Terraform to automate the provisioning of your cloud resources, ensuring fast, repeatable, and low-risk deployments.

> DevOps integration

We work closely with your team to integrate IaC with your DevOps practices, fostering a culture of collaboration and continuous delivery.

> Ongoing management

We provide ongoing support and management to ensure your cloud infrastructure remains optimized and performs optimally as your business grows.

GOOGLE CLOUD PRODUCTS

- Google Kubernetes Engine (GKE)
- Google Cloud Deployment Manager
- Terraform on GCP
- Anthos Config Management
- Cloud Monitoring & Logging
- Identity-Aware Proxy (IAP)

RELATED NERDERY SERVICES

- Cloud Strategy and Foundations
- Cloud Application Modernization
- Cloud Application Migration
- DevOps Consulting

Cloud development and microservices

Design and build applications that are optimized for the cloud. Nerdery creates cloud-native solutions, leveraging modern architectures like microservices, to ensure your applications are scalable, resilient, and cost-efficient.

Build a robust digital foundation



Migrate from monolithic to microservices

Leverage a microservices approach to break down applications into smaller, independent components that are easier to develop, deploy, and manage.



Build scalable and resilient applications

Create modern, cost-efficient infrastructure that scales to easily handle spikes in demand — ensuring continuous operations.



Accelerate time-to-market

Implement automated CI/CD pipelines to ensure the rapid and reliable delivery of new features and updates, so you can get to market faster.

Outcomes

- ✓ Increased agility and speed
- ✓ Enhanced scalability and reliability
- ✓ Cost optimization



What to expect

> Define Strategy and Architecture

We begin by collaborating with you to define your business objectives and design a robust, scalable architecture. This is where we determine if a microservices approach is the right fit.

> Development and Automation

We develop your application, packaging each service into a lightweight, portable container. Then we implement CI/CD pipelines to automate the build, test, and deployment processes, ensuring frequent and reliable releases.

> Monitoring and Optimization

After deployment, we continuously monitor your application's health and performance. We use this data to quickly identify issues and optimize your application for continuous improvement.

GOOGLE CLOUD PRODUCTS

- Google Kubernetes Engine
- Cloud Run
- Cloud Functions
- Cloud Pub/Sub
- Cloud Build
- Firestore (No-SQL DB)
- Apigee API Management

RELATED NERDERY SERVICES

- Cloud Strategy and Foundations
- Cloud Application Modernization and Migration
- Cloud Architecture Design and Infrastructure as Code

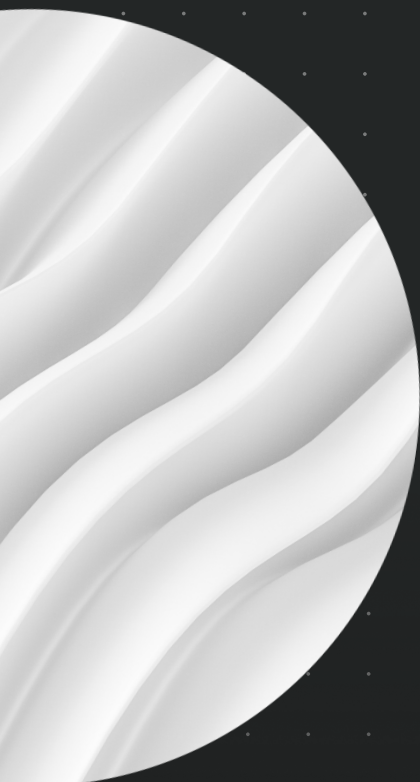
About Nerdery

Nerdery is a digital consultancy with over 20 years of experience delivering transformative solutions powered by data, AI, and cloud technology. Our team of 150+ U.S.-based experts, alongside near-shore partners, includes data scientists, engineers, and strategists dedicated to crafting innovative solutions.

As a trusted Google Cloud partner, we leverage GCP to craft innovative products, platforms, and strategies that drive measurable impact.

From modernizing public safety systems to enhancing business efficiencies and outcomes, Nerdery partners with organizations like Google, Ford, and state governments to help them explore possibilities, achieve their vision, and lead their industries.





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