Pythian Solutions for
Google Cloud Platform

Most businesses today understand the value of cloud infrastructure: spend less, manage less, adapt faster, and scale with ease. But why not consider a cloud platform—one that puts not only infrastructure but also the data warehousing and machine learning power of Google Cloud at the disposal of your enterprise?

Pythian can help answer those questions as a trusted Google Premier Partner with Data Analytics, Cloud Migration, Infrastructure and Machine Learning Specializations. With over 90 Google certified Solutions Architects, Data Engineers and Cloud Developers, we have the knowledge and experience to plan, implement, and manage your migration to Google Cloud Platform—so you can fully tap into the potential of this unique cloud offering.

"We definitely didn't have the luxury of time, so we knew we needed a partner with the right skills and expertise to have any hope of meeting our deadline. We found that in Pythian. We couldn't have done it without their extensive cloud and infrastructure migration experience, effective processes and great communication."

—Brandon Seibel, Chief Architect at VerticalScope

www.pythian.com/googlecloudplatform

Premier Partner
Google Cloud
Data Analytics
Machine Learning

Premier Partner
Google Cloud
Cloud Migration
Infrastructure

Pythian
love your data ®

Pythian Solutions for Google Cloud Platform

Google Cloud Platform is open, secure, and rich with powerful tools. Yet its very openness—and everything you can do with your data after you migrate—can sometimes leave organizations wondering where to start, or how to get from A to B. Based on your goals and requirements, along with your current data environment, we'll help you define a strategy that will deliver value for your business.

With extensive experience in traditional and cloud environments, our migrations are faster and lower-risk than those of cloud-only companies. And with multiple Google Cloud Platform certifications, our team ensures your enterprise takes full advantage of Google Cloud Platform services, including:

- BigQuery
- Bigtable
- App Engine
- Translate API
- Cloud SQL

- Cloud Pub/Sub
- Cloud Storage
- Prediction API
- Cloud Datastore
- Cloud Endpoints

- Cloud Dataproc
- Cloud Dataflow
- Cloud Machine Learning
- TensorFlow
- and more...

Get the Most Out of Google Cloud

Data Analytics
Pythian's big data team has extensive expertise with the complete suite of GCP big data and data analytics services including Dataproc, Dataflow, Pub/ Sub, BigQuery, and Bigtable. We help implement and operate advanced, enterprise big data solutions—from fully managed Hadoop/ Spark infrastructures in Google Dataproc to next-generation big data processing engines using Google Pub/Sub and Dataflow.

warehouses such as Hadoop, Teradata, Oracle Exadata, Netezza and Vertica, and can help migrate them to GCP.

Advanced Analytics and Machine Learning
Working closely with your team, we can build models to unlock the value of your data with custom data science and machine-learning solutions using Cloud Machine Learning, TensorFlow, BigQuery ML and other tools.

Enterprise Data Platform
We build modern data warehouses and enterprise data platform on GCP to enable sophisticated data consumers across the organization now, and into the future. With our Enterprise Data Platform (EDP) solutions and service accelerators we design, architect, build and support enterprise data platform on GCP to enable a single source of truth so data product teams can work either independently or collaboratively to analyze and consume data they can trust. We bring GCP-certified architects, data modelers, ETL programmers, reporting experts and more. Our automated processes and proven methods deliver exceptional outcomes faster. We offer expertise in Google Cloud Storage, Datastore, Bigtable, Cloud SQL, BigQuery and more. Pythian has a long history of experience working with a variety of technology source data

DevOps
We can help you make use of Google Cloud Platform's application engine, container management, cloud networking, load balancing, and proactive monitoring to configure platform automation and orchestration solutions for high-speed, highly efficient DevOps. We'll also assess your existing IT environment and team capabilities, define an agile application lifecycle, and manage the operational health of your apps and services.

Application Migration and Cloud Infrastructure
We work with you to migrate your applications to the cloud allowing you to automate for speed & agility, refactor apps to improve performance, optimize costs and scale to maximize business value.

Services Built on Experience

Whether you're already in the cloud or considering migration, we can help you assess, implement, and continuously optimize solutions through:

Planning

Using our field-proven methodology, we plan your cloud architecture and technology orchestration in detail for a cloud strategy that is finely tuned to your objectives. Our services include:

- Architecture roadmapping with tested proofs of concept
- Cloud roadmapping
- Data analytics
- A selection of Google Cloud Platform services and technologies
- Agile transformation roadmapping with implementation and transition plans
- Timeline development and definition of required skills and resources
- Alignment of business goals and outcomes and more...

Implementation

Our implementation process includes both building and migration—customizing Google Cloud Platform to your needs and moving your data to it.

Our build services include:

- Google Cloud Platform architecture and technology selection
- Data pipeline building
- Agile migration of architectural changes, software, data, and infrastructure
- Installation and configuration of new technologies and tools
- Cloud solution and platform creation
- Provisioning of Google Cloud Platform services
- Installation and configuration of cloud monitoring
- Automated testing and validation
- High-performance and efficient migrations

Our migration and deployment services include:
- Google Cloud Platform business case
- Google Cloud Platform proofs of concept
- Application & Data migration plan
- Testing and sampling to confirm your migrated data works on Google Cloud Platform
- Detailed automated migration and rollback plans
- Data, server, storage, and services moves to the new platform and infrastructure
- Target application workload deployment

Management

To ensure you get the most out of Google Cloud Platform, we continuously monitor your solution to control costs and deliver the performance, availability, efficiency, and security you need. Our services include:

- Optimization for performance, availability, velocity, security, and efficiency
- Monitoring and event resolution
- Root-cause analysis
- Advanced automation
- Continuous improvement
- Continuous integration and delivery
- Proactive health checks
- Performance tuning
- Service cost monitoring and improvement
- Capacity planning, security, and availability performance audits
- Backup and disaster recovery validation and improvement

Managed Services - OPviz
- 24/7 monitoring, alerting, and mediation
- Continuous improvement in OPviz stack
- SLA management on KPIs
- Cloud and on-premise, infrastructure, data, backups
- Updates synchronized with software releases
- Leverages Google Stackdriver

Managed Services - Security
- 24/7 monitoring, alerting, and remediation
- Networking, infrastructure, data
- IAC management of security configuration and settings
- Active security configuration and settings scanning
- System/Networking vulnerability management
- Identity management; RBAC, Security Keys,
- System/network access threat monitoring and remediation
- Data Loss Protection
- Security audit support
- Leverages Google Security Center

Managed Services - Cloud Evolution Advisory
- New cloud offerings review for consideration
- Improvement recommendations for current environments
- Growth projections review and planning
- New cloud initiatives collaboration
- Quarterly

Your Trusted Google Partner

Pythian solutions for Google Cloud Platform help you integrate disruptive technologies, adopt new tools, and apply best practices within your current and planned environment—for rapid, ongoing innovation and on- demand, real-time responsiveness to the needs of your business and your customers.

Drawing on our experience with some of the world's most valuable IT systems, our proven approach helps you reduce risk, control costs, and optimize the performance of your Google Cloud Platform environment. If you're operating in a hybrid cloud model, we can ensure you get the most out of your existing on-premises or private cloud infrastructure while taking advantage of everything Google has to offer.

The Pythian Advantage

Business and IT Alignment

We implement technology solutions to solve business problems— we are both technologists and business people.

Sustainable Innovation

We deliver sustainable transformation to ensure real, long-term business advantage. We work to make data part of our client's DNA — for the long term.

Bridging the Gap to Future-Proof Your Business

We know the challenges that come with transitioning from legacy systems to new and emerging technologies. We know where you've been and where you're going—on-premises and in the cloud.

Bleeding Edge Expertise

Pythian invests constantly and continuously in staying on top of new and emerging technologies—so you don't have to.

Top Global Teams

Pythian's unique remote delivery model brings you access to global teams of experts specially selected to deliver on and support your unique requirements—regardless of location or time of day.

Security

When it comes to security we punch above our weight. Security permeates every single thing we do and our security posture and processes have been finely honed by over 20 years of supporting mission-critical data systems for demanding enterprise clients.

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