

Scaling FinTech Platforms with Resilient, Cost-Optimized Cloud Architecture

Client Overview

A fast-growing FinTech platform operating on Google Cloud, running critical customer-facing workloads with high dependency on uptime, performance, and user trust. With increasing transaction volumes and exposure to public networks, ensuring resilience and cost efficiency became a business priority.

Business Challenges



Platform vulnerability due to exposure to DDoS attacks, risking downtime and customer trust



Lack of infrastructure shielding and resilience for public-facing workloads



Cloud cost inefficiencies driven by overprovisioned and underutilized resources



Security risks and cost spikes amplifying business impact during high-traffic or attack scenarios

Skillmine Solution

Rapid DDoS Protection and Traffic Shielding Deployment

Skillmine implemented Cloudflare-based DDoS mitigation to immediately protect the platform from active threats. This ensured traffic filtering, origin shielding, and uninterrupted service availability during attack scenarios.

01

End-to-End Security Hardening

A comprehensive security review was conducted across the infrastructure to identify vulnerabilities. Post-assessment, security controls were strengthened to enhance long-term resilience and protect critical workloads.

02

Cloud Cost Optimization and Resource Rationalization

Skillmine performed a detailed analysis of cloud usage to identify inefficiencies and unused resources. Optimization measures were implemented to right-size infrastructure without impacting performance or user experience.

03

Business Benefits



Improved Platform Availability and Resilience

With proactive DDoS protection and strengthened infrastructure, the platform achieved higher uptime and stability. This ensured uninterrupted customer access and improved reliability during peak usage and threat scenarios.



Strengthened Security Posture

Enhanced security controls reduced exposure to external threats and improved overall risk management. The platform became more resilient against future attacks and vulnerabilities.



Significant Cost Savings and Efficiency Gains

Optimized cloud resource utilization led to substantial cost reductions without compromising performance. This enabled better financial control and more efficient cloud operations.

Key Data Points

USD 64K

reduction in monthly cloud spend

80%

reduction in overprovisioned resources

100%

mitigation of active DDoS threat exposure

50%

improvement in infrastructure utilization efficiency

99.9%

platform availability achieved post-optimization

Capability & Competency

- ☒ Cloud security and threat mitigation
- ☒ Incident response and recovery
- ☒ Cost optimization (FinOps)
- ☒ Resilience engineering