

# CASE STUDY



## Modernizing Fintech Platforms with a Scalable, Cloud-Native Architecture

### Overview

Fintech firms will need to process high transaction volumes with speed, security and adherence to regulations. For many growing organizations, older systems that once worked well start showing limitations as demand increases. We worked with a Fintech company that was facing these exact challenges and needed a more flexible and reliable platform to support its business goals.

**15+**

Legacy systems integrated

**200M**

Active user sessions

**100%**

Cloud native

**Zero**

Security vulnerabilities

### Key Challenges

Legacy infrastructure creates bottlenecks that prevent financial institutions from competing with agile Neobanks.

#### Limited Scalability

Vertical scaling limitations made peak-period processing (e.g. payday, holidays) a significant risk for platform stability.

#### Slow Release Cycles

Monolithic codebases required 6-month release windows, preventing rapid response to market changes or regulatory shifts.

#### Maintenance Downtime

Scheduled maintenance windows interrupted services for millions, leading to customer dissatisfaction and lost revenue.

#### Complex Integration

High friction in connecting with 3rd party APIs, Fintech partners, and Open Banking ecosystems due to antiquated middleware.

# The Solution

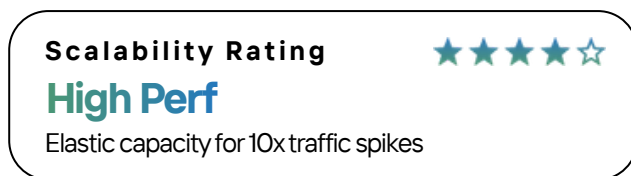
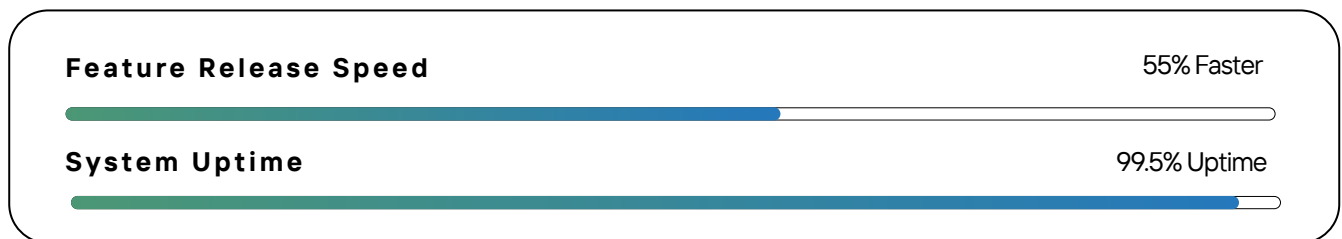
## Modernization Roadmap: A Structured Approach

- 1 Gradually breaking the monolithic application into a microservices-based architecture to allow independent development and scaling.
- 2 Moving the platform to a cloud-native setup for increased reliability and scalability to accommodate fluctuating transaction volumes.
- 3 Adopting an API-first approach makes it easier to integrate new digital channels and external services.
- 4 Introducing DevOps practices along with CI/CD pipelines to reduce manual effort and speed up releases.
- 5 Building security and compliance checks directly into the development and deployment processes.



# Business Impact

Tangible outcomes of the modernization strategy across core performance metrics.



# Conclusion

With a shift to cloud-native, microservices, and APIs, the Fintech company also gained a more resilient and adaptable infrastructure. We are here to help the client reduce operational risk, speed up development, and lay the groundwork for future growth in a heavily regulated industry.