

Payment System Optimization for Global Operations

By modernizing payment infrastructure and introducing automated global tax calculation, Innovecs enabled seamless, secure, and reliable transactions for a worldwide user base, eliminating processing delays and reducing customer friction.

Industry

High Tech

Location

Global

Cooperation Model

Mixed: Team extension +
Innovecs' Management

Team Composition

Backend, DevOps, QA Engineers

Expertise Delivered

Backend Development, Performance
Optimization, Project Management, Quality
Assurance & Testing, Software Development

Technologies & Tools Used

.NET CORE

ADYEN

APACHE KAFKA

BRAINTREE

DOCKER

JAVA SPRING BOOT

KUBERNETES

MICROSERVICES ARCHITECTURE

NODE.JS

PAYPAL

POSTGRESQL

PYTHON FLASK/DJANGO

RABBITMQ

REDIS

SQUARE

STRIPE

Applicable Domains

GLOBAL SAAS

E-COMMERCE

DIGITAL MARKETPLACES

SUBSCRIPTION SERVICES

ONLINE EDUCATION

CREATIVE SOFTWARE

B2B PLATFORMS

DIGITAL CONTENT

CLOUD SERVICES

SOFTWARE LICENSING

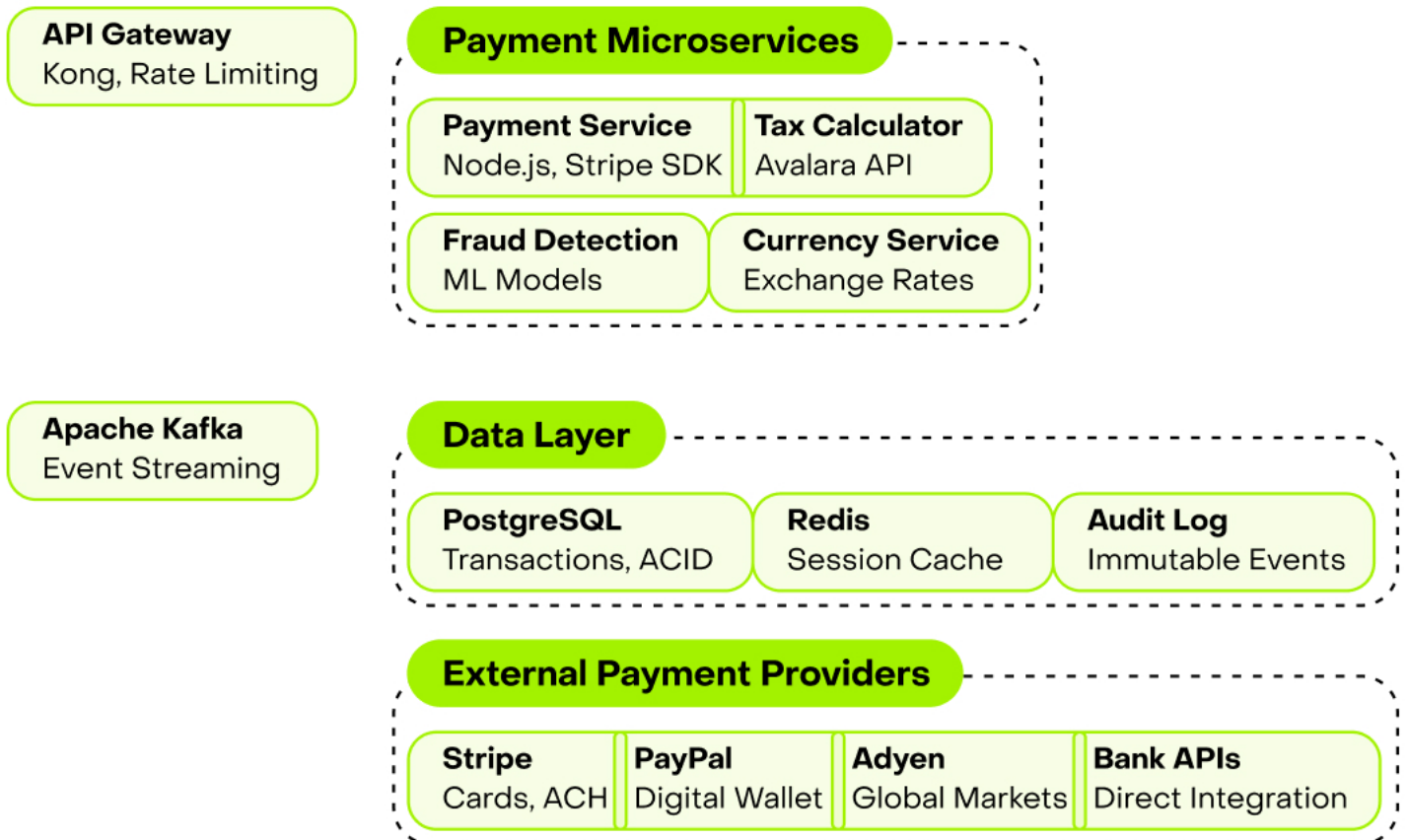
Challenge

The existing payment system lacked the sophistication needed for global operations, with payment failures occurring in 12% of transactions and manual tax calculations for 25+ countries taking an average of 3-4 business days per transaction, creating significant user friction.

Solution

Delivered a robust payment processing system designed to handle secure and convenient transaction processing with **99.95% uptime SLA**.

Built comprehensive technological infrastructure capable of automatically calculating tax burdens for users from **50+ countries in real-time**, reducing processing time from days to milliseconds.



Technologies Used

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- APACHE KAFKA
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- KUBERNETES
- MICROSERVICES ARCHITECTURE
- NODE.JS
- PAYPAL
- POSTGRES SQL
- PYTHON FLASK/DJANGO
- RABBITMQ
- REDIS
- SQUARE
- STRIPE

Results



99.95%

uptime SLA



84% faster

transactions processing



67% decrease

in payment-related customer support tickets



from 12% to 0.8%

Payment failures reduction

Business Value

» Global Payment Capability

Supports multiple payment providers and currencies to meet the needs of international markets.

» Improved Transaction Reliability

Reduces failed payments and ensures high system uptime for uninterrupted revenue flow.

» Stronger Revenue Streams

Enhances recurring revenue potential with seamless payment integrations and better monetization strategies.

» Scalable Architecture

Leverages microservices and containerization for easy expansion and performance optimization.

About Innovecs

Innovecs is a global digital services company operating in the US, the UK, the EU, Israel, Australia, and Ukraine. We operate as a parent company, offering a tech-driven ecosystem of expertise, services, and solutions through specialized sub-brands: Innovecs High Tech, Innovecs Supply Chain, Innovecs Games, and Innovecs Play.



Quick facts

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Years of cross-industry experience

25

Delivery locations worldwide

650+

Highly skilled developers, engineers, architects

150+

Happy clients

92%

NPS score

127%

Business growth over the past three years

Representative Offices

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