

Case Study:



Open banking integration platform development



Client: A European financial services provider

Challenge

The client needed to expand their open banking platform capabilities across multiple European markets, facing several critical issues:

API integration complexity:

Each bank used different API protocols, requiring custom integration solutions that slowed down development

Documentation issues:

Inconsistent and outdated API documentation from partner banks

Limited bank coverage:

Insufficient integration with key banking institutions in target markets

User experience:

Poor conversion rates due to complex authentication flows

Technical barriers:

Language-specific documentation and communication challenges

Solution

ZONE3000 implemented a comprehensive approach to address these challenges:

1

Team structure

Deployed a specialized team of 8 integration experts and banking API specialists

2

Integration framework

Developed a unified integration layer to standardize connections with various banking APIs

3

Documentation system

Created an internal knowledge base for maintaining up-to-date API specifications

4

Authentication optimization

Implemented streamlined authentication flows with app-to-app redirections

5

Authentication optimization

Implemented streamlined authentication flows with app-to-app redirections

Technology Stack



Core platform:

Java Spring Boot, Node.js



API management:

Kong API Gateway



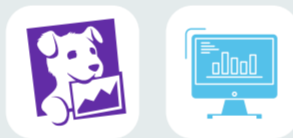
Documentation:

Swagger/OpenAPI



Security:

OAuth 2.0, PSD2 compliance tools



Monitoring:

Datadog, Custom Analytics Dashboard



Testing:

Postman, JUnit, Integration Test Suite

Result The project delivered significant improvements across key metrics:



API response time:

Reduced average response time **from 2.3 seconds to 1.4 seconds**



Integration speed:

New bank integration time **decreased from 18 days to 11 days**



Conversion rate:

Authentication flow conversion **improved by 27%**



Documentation:

Created standardized documentation for **82% of integrated banks**



Bank coverage:

Connected to **83 new banks across 6 countries**



Success rate:

API call success rate **increased from 89% to 94.2%**



User sessions:

Successful user sessions **increased by 31% over 3 months**

This case study demonstrates **ZONE3000's ability to solve complex integration challenges in the open banking sector** while maintaining high security standards and improving user experience.



+1 512 499 2121
sales@zone3000.net
zone3000.com



W8 4LZ, First Floor Office,
3 Hornton Place,
London, United Kingdom
+44 20 3769 6776



3932, DMCC Business Centre Level 1,
Jewellery & Gemplex 3, Dubai,
United Arab Emirates
+971 50 455 64 25