

Emmanuel Sandoval - Senior Java Developer

PROFESSIONAL PROFILE

Computer Engineer with over 6 years of experience as a Senior Java Developer, specialized in technical leadership and software development. As an expert in Spring Boot and DevOps practices, I have achieved a 40% improvement in software quality and a 30% increase in delivery speed. I have experience working with multidisciplinary teams on banking projects, implementing CI/CD solutions that reduced deployment time to 15 minutes and optimizing databases to improve performance by 50%. Passionate about technology and innovation, I possess strong skills in analysis and problem-solving, the ability to lead and mentor teams, and coordinate architectural planning.

TECHNICAL KNOWLEDGE

Languages and Frameworks

- Java 8, 11, 17 | Spring Boot 2.7, 3.0 | Spring MVC | Hibernate
- Microservices with Spring Cloud, Quarkus
- Event-driven with Kafka, Axon Server

DevOps and Cloud

- Docker, Kubernetes, OpenShift | AWS (S2, S3) | Harness
- CI/CD: Jenkins, GitHub Actions | Version Control: GIT

Databases

- SQL: PostgreSQL, MySQL, Informix | NoSQL: MongoDB

Quality Tools

- SonarQube | Checkmarx, Snyk (OWASP) | JUnit, Mockito, Spring Test

APIs and Documentation

- Swagger, RAML, SpringDoc | Postman, Insomnia | BIAN

Methodologies

- Scrum, Kanban, Extreme Programming (XP)

PROFESSIONAL EXPERIENCE

Digital S/W Eng Sr Analyst - Citibank | November 2024 - September 2025

- Leadership in Banamex applications migration to the Citibank platform and systems integration
- Implementation of hybrid architectures during technological transition
- Migration of legacy applications from Java 1.8 to Java 17, modernizing the technological base.
- Management of microservices stability and critical vulnerability resolution via CAMP
- Mentoring junior developers in Java Spring Boot, improving technical competencies

Digital S/W Eng Sr Analyst - Banamex | July 17, 2024 - November 30, 2024

Banamex-Citibank Migration Project

- Led technical migration of Banamex applications to the Citibank platform with teams of 5-8 developers
- Designed microservices migration strategies, ensuring operational continuity and 30% faster deliveries
- Implemented IBM MQ integration middleware for communication between legacy banking systems
- Configured API Gateway and data transformation middleware for service homologation
- Implemented CI/CD pipelines with Jenkins/GitHub Actions, reducing deployment from 2 hours to 15 minutes
- Developed integrations with MongoDB, optimizing performance by 50%
- Implemented JWT/OAuth2 authentication, complying with OWASP standards

Senior Project Engineer - HSBC | January 2021 - March 2024

- Managed version control with GIT, ensuring smooth collaboration
- Developed interfaces and APIs in MuleSoft, optimizing integration
- Automated tasks with Unix/Shell scripts, improving operational efficiency
- Designed RESTful APIs with Flask, implementing CRUD endpoints
- Documented APIs with Swagger, facilitating integration by other developers
- Implemented microservices with Flask, Docker, and Kubernetes, improving scalability
- Resolved performance issues, improving response times.

Software Engineer - BBVA | January 2018 - January 2021

- Drafted software requirements, achieving a 20% reduction in development time
- Supervised project management, improving the success rate by 30%
- Prepared technical designs (flow diagrams, sequence), reducing errors by 15%
- Validated technical feasibility, mitigating risks by 25%
- Implemented QA with code reviews, reducing defects by 40%
- Developed backend applications with Java and Spring Boot
- Developed new CIE payment functionality (Electronic Identification Code), including a loans module, improving customer experience
- Implemented investment module dashboard in NetCash with real-time metrics

ACADEMIC BACKGROUND

National Technological Institute of Mexico (TCH) Computer Engineering | 2012 - 2017
Professional License: 11126548

RELEVANT CERTIFICATIONS

2024

- Introduction to MongoDB - Coursera
- Containerization Using Docker - Coursera
- JavaScript/Java Basic Certificates - HackerRank

2022-2023

- Microservices with Spring Boot and Spring Cloud Netflix Eureka - Udemy
- Kong Gateway Foundations - Kong Inc.
- Scrum Developer Course

2020-2021

- Hibernate and Java Spring Course - Platzi
- Professional Git and GitHub Course - Platzi
- Software Architecture Fundamentals Course - Platzi

LANGUAGES

English: Intermediate (B1) - Professional competency in reading and writing