

Francisco Revelles

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Summary

Senior Java Developer with 15+ years of experience in financial services, telecommunications, higher education, and healthcare. Expert in Clear2Pay OPF (analysis, architecture, integration, extensions) and in bridging legacy payment platforms to modern Java/Spring microservices. Strong background in payment systems (SEPA, ACH, SWIFT), core banking middleware (BankSphere), and enterprise integration. Skilled in Java/J2EE, Spring Boot/MVC/Integration, ORM (JPA2, Hibernate, JSF, Wicket, GWT), and cloud-native architectures.

Skills

Languages: Java, Kotlin, Groovy, JavaScript, TypeScript, SQL, HTML, C/C++

Frameworks: Spring (Boot, MVC, Integration, Batch, Cloud, Security), Hibernate, JPA2, JSF, Wicket, GWT

Payments: Clear2Pay OPF, BankSphere, SEPA SCT/SDD/ICT, ACH, SWIFT MT/MX

Databases: Oracle, PostgreSQL, MySQL, MongoDB, DB2

Web Services: SOAP (JAX-WS, Axis2), REST, WSDL/XSD

Tools: SoapUI, JMeter, SpiraTest, Jira, Eclipse, IntelliJ, Maven, Gradle, Ant

DevOps: Docker, Kubernetes, AWS, WebSphere, Jenkins, Git, Concourse

Methodologies: Agile (Scrum, TDD, Pair Programming), SDLC, Waterfall

Professional Experience

Boulou Service – Boston, MA

Java Developer / Software Engineer

Oct 2022 – Jun 2024

- Designed and developed a marketplace platform with REST APIs, admin dashboard, and Stripe payment integration.
- Backend with Spring Boot, OAuth2 Security; frontend with Flutter (Dart) for mobile.
- Deployed on AWS EC2/Lambda with Docker Containers.
- Implemented PostgreSQL/MySQL queries, stored procedures, and functions.

Kessel Run (US Air Force Project) – Boston, MA

Full-Stack Java Developer (via Altoros)

May 2020 – Oct 2020

- Built Kronos scheduling platform for F-35 squadrons, reducing planning time from one week to 15 minutes.
- Developed Java Spring Boot backends with Spring Integration and Spring Cloud Contract.
- Implemented React/Redux frontend, containerized deployments with Docker, Cloud Foundry.
- Applied TDD, pair programming, and refactoring (Mikado method).

Pearson – Boston, MA

Senior Java Developer

Dec 2018 – Aug 2019

- Migrated monolithic Pearson Writer app into a microservices Kubernetes-based solution.
- Designed REST APIs with SwaggerHub/OpenAPI.
- Built microservices with Spring Boot, JHipster, Consul, Vault, NGINX ingress.
- Developed Angular and Vue.js front-end apps with Pearson security integration.

Northeastern University – Boston, MA

Integration Developer (Mobile Apps)

Dec 2014 – Jul 2017

- Developed and integrated mobile/web applications with Cordova/PhoneGap, Angular, Ionic, and Spring.
- Built backend services with Groovy/Grails + Spring Security; batch apps with Spring Boot Batch.
- Created PL/SQL REST APIs for Banner Student Information System.
- Implemented Twilio Visitor Center, Push Notifications, Live Scores (Quartz scheduling).

Infosys – Quincy, MA

Java Developer (Financial Services & Insurance)

Mar 2012 – Oct 2014

- Designed solutions to feed Data Acquisition Frameworks from financial vendors.
- Developed with Spring Core, Batch, Integration, iBatis, Oracle.
- Integrated Data Reference Information into PolarLake system for securities processing.

ISBAN / Santander Group – Madrid, Spain & Boston, MA

Senior Java / J2EE Developer – Clear2Pay Payments Architecture & Integration

2010 – 2011

- Led analysis and architecture of Santander's migration to the Clear2Pay Open Payment Framework (OPF), designing SEPA and international payment flows (SCT, SDD, ICT).
- Designed SOAP-based payment services for SEPA compliance and integration with clearinghouses.
- Delivered key OPF use cases (UC001 transaction search, UC003 reject/cancel, UC004 ICT routing).

- Wrote and extended OPF modules for reconciliation, audit/history, error handling, and cancellation events.
- Developed cover vs. serial settlement processing (MT103/MT202/MT910, pacs.008/pacs.009) with auto/manual reconciliation.
- Integrated OPF with BankSphere middleware: modeled workflows in Vega, Rational Rose, Mira Lógico, Mira; deployed via WebSphere.
- Worked in C2P QA environments (ICT/SDD merges, XCT QA, Sovereign migration QA) and validated with OPFTest tools, SoapUI, JMeter.
- Collaborated with QA teams using SpiraTest and Jira for regression, defect tracking, and release readiness.
- Boston assignment: architected and led integration of Santander's payment architecture with Sovereign Bank operations; completed transformation of Sovereign Bank into Santander Bank.

Orsys Consulting – San Juan, Puerto Rico

Java/J2EE Developer – IPTV APILINK Team

Mar 2008 – May 2009

- Led Claro-PRT integration (SOA, Java EE) between Oracle TBS M6 provisioning and Amdocs Ensemble billing using Stateless EJBs, WebLogic, Tuxedo, Axis2.
- Authored detailed design and Java code for APIs (credit verification, deposits, refunds, billing accounts) exposed as EJB Web Services.
- Directed APILink testing (unit/system/UAT/regression/stress) across teams in Puerto Rico and Brazil, with SoapUI, JMeter, Mercury TestDirector.
- Integrated Coqui.net ordering and billing systems with Amdocs Ensemble using Spring IoC, Java web services, and Maven.
- Migrated ~250 wireline billing interfaces; created Detailed Interface Specifications and UML sequence diagrams.
- Designed apps with Cognos BI integration using JSF, Oracle, Hibernate.
- Built IPTV/DSL Model Update Interface and TELCO Activity Monitor Daemon (Spring/Quartz).

Education

Bachelor of Science – Computer Science

University of Puerto Rico – San Juan, PR

NSF CSEMS Scholar