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 implementation and integration (Santander, 2010–2011) with deep pre-acquisition experience, including Sovereign → Santander Bank transformation. Skilled in Santander's BankSphere middleware (Java EE, JSF, JPA2, Hibernate) and integration of OPF with core banking systems (Partenon). Later led a major monolith-to-microservices migration at Pearson (2018–2019), applying patterns such as API Gateway, service discovery, centralized configuration, ingress controllers, and container orchestration. This combined background provides the bridge Fifth Third needs: stabilizing existing Clear2Pay while architecting its gradual transition to a microservices banking platform.

Skills

Languages: Java, Kotlin, Groovy, JavaScript, TypeScript, C, C++, Perl, SQL, HTML
Frameworks: Spring (Boot, MVC, Integration, Batch, Cloud, Security, HATEOAS), Hibernate, JPA2, JSF, Wicket, GWT
Payments: Clear2Pay OPF, BankSphere, SEPA SCT/SDD/ICT, ACH, SWIFT MT/MX
Databases: Oracle, PostgreSQL, MySQL, MongoDB, DB2, MS SQL
Web Services: SOAP (JAX-WS, Axis2), REST, WSDL/XSD, SOA, BPEL, JBPM
Tools: SoapUI, JMeter, SpiraTest, Jira, Eclipse, IntelliJ, Maven, Gradle, Ant
DevOps: Docker, Kubernetes, AWS, Cloud Foundry, WebSphere, Jenkins, Concourse, Git
Methodologies: Agile (Scrum, TDD, Pair Programming, Extreme Programming, FDD), SDLC, Waterfall
Testing: JUnit, Mockito, Rational Functional Testing, Mercury TestDirector, Cypress, Jest, Enzyme
Visualization: Prometheus, Grafana
GUI: Angular, React, Vue.js, Flex, JSF, Ionic

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.

Unique Systems Skills – Boston, MA

Data Science with Python / AWS / DevOps
Apr 2022 – Sep 2022

- Completed AWS DevOps, Python, and Data Science certifications.
- Microsoft Python Certificate, Kubernetes DevNation Master Course, AWS Cloud Practitioner.

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, refactoring (Mikado method).
- Continuous Integration and Deployment using Concourse Pipelines and GitLab CI.

Pearson – Boston, MA

Senior Java Developer
Dec 2018 – Aug 2019

- Migrated Pearson Writer monolithic application into a Kubernetes-based microservices architecture.
- Designed service boundaries and decomposed business logic into Spring Boot microservices.
- Implemented REST APIs with SwaggerHub/OpenAPI; applied microservices patterns: API Gateway, service discovery (Consul), centralized configuration (Vault), ingress controllers (NGINX).
- Ensured observability and resilience with container orchestration, health checks, and circuit breakers.
- Developed Angular and Vue.js front-end applications with Pearson security integration.
- Deployed services in Pearson's hybrid AWS/GCP Kubernetes platform (Bitesize).

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).

Institute for Health Metrics – Burlington, MA

Java Developer
Nov 2014 – Dec 2014

- Developed and tested Groovy DSLs for health metric indicators using Spring, MongoDB, and JUnit.
- Agile Scrum methodology with Jira and XML/XSLT transformations.

Nextgen Invent Corp – Marlborough, MA

Java Developer
Sep 2014 – Oct 2014

- Designed and developed JAAS JDBCRealm authentication with Apache Shiro.
- Built Java EE applications using Spring MVC, Hibernate, JSP, and Oracle.

Infosys – Quincy, MA

Java Developer (Financial Services & Insurance)
Mar 2012 – Oct 2014

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

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

Senior Java / J2EE Developer – Clear2Pay Payments Architecture & Integration
2010 – 2011

- Implemented and integrated Clear2Pay OPF into Santander Bank's payment architecture as part of SEPA modernization, designing ICT, SCT, and SDD flows.
- 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).
- Integrated OPF with BankSphere middleware: modeled workflows in Vega, Rational Rose,

Mira; deployed via WebSphere. Developed modules using JPA2, Hibernate, and JSF in BankSphere.
- Worked in C2P QA environments (ICT/SDD merges, XCT QA, Sovereign migration QA) validated with OPFTest tools, SoapUI, JMeter.
- Collaborated with QA teams using SpiraTest and Jira for regression and release readiness.
- Boston assignment: architected and led integration of Santander's payment architecture with Sovereign Bank operations; completed Sovereign Bank → Santander Bank transformation.

TDA – Madrid, Spain
Java EE Developer
May 2010 – Jul 2010

- Designed and developed Rich Internet Applications for asset securities management using Java EE, Hibernate, Oracle, and Adobe Flex.
- Modeled workflows with jBPM for BPM/SOA orchestration.
- Performed unit and integration testing with JUnit, SoapUI, and JMeter.

Department of Treasury – San Juan, PR
Java Developer
Jun 2009 – Mar 2010

- Designed systems for distribution of federal ARRA incentives.
- Built taxpayer information collection web apps with Java, Spring MVC, JSP, CSS, and Tomcat.
- Integrated with mainframe processes for data validation and reporting.

Orsys Consulting – San Juan, PR
Java/J2EE Developer – IPTV APILINK Team
Mar 2008 – May 2009

- Led Claro-PRT real-time integration between Oracle TBS M6 provisioning and Amdocs Ensemble billing using Stateless EJBs, WebLogic, Tuxedo, Axis2.
- Authored Detailed Design, High-Level Design, and Java code for APIs (credit verification, deposits, refunds, billing accounts).
- Directed APILink testing (unit/system/UAT/regression/stress) in Puerto Rico and Brazil with SoapUI, JMeter, Mercury TestDirector.
- Migrated ~250 wireline billing interfaces; produced Detailed Interface Specifications and UML diagrams.
- Built IPTV/DSL Model Update Interface and TELCO Activity Monitor Daemon using Spring/Quartz.
- Designed Cognos BI tax reporting apps with JSF, Oracle, Hibernate.

HealthcareTek – San Juan, PR
Senior Programmer
Jul 2007 – Mar 2008

- Designed and implemented automated clearinghouse system for HIPAA EDI transactions.
- Built data extraction tools for EDI-X12N transactions and XML reporting.

Preferred Health Inc. – San Juan, PR

Java Developer
Sep 2006 – Jul 2007

- Developed web-based database applications for claims, sales, and admin using Java EE, DB2, and WebSphere.
- Built HIPAA EDI transaction prototypes (270/271, 276/277).
- Integrated RAM Technologies HEALTHsuite with legacy systems.

Firstpoint Health Group – San Juan, PR

Java Developer
Jan 2005 – Aug 2006

- Developed Electronic Health Records using VistA, MUMPS, Java, and NoSQL (Caché, GTM).
- Built HIPAA EDI transactions (837/835/270/271/276/277).
- Designed eligibility and claims web services with Java and Axis.

Gauss Research Lab – University of Puerto Rico

Programmer / Researcher
1998 – 2004

- Developed applications in Information Theory (Finite Fields, Costas Arrays, Sonar Sequences) with C, C++, Java, Assembly.
- Built .pr ccTLD domain registration web applications for billing/reporting in VB, ASP, ASP.NET, SQL Server.

Education

Bachelor of Science – Computer Science
University of Puerto Rico – San Juan, PR
NSF CSEMS Scholar