

Richard Plana

Senior Java Software Engineer

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Professional Summary

Senior Software Engineer and Architect with 20+ years designing enterprise-scale systems for telecommunications, retail, and technology sectors. Expert in microservices architecture, domain-driven design, and cloud-native platforms processing millions of daily transactions. Proven track record reducing system latency by 40%, leading cross-functional teams, and translating complex business requirements into scalable technical solutions with measurable outcomes.

Technical Skills

Languages & Frameworks: Java (8-21), Spring Boot, Spring Framework, Hibernate/JPA, Python, JavaScript, SQL, PL/SQL

Architecture & Design: Microservices, Domain-Driven Design (DDD), Hexagonal Architecture, Event-Driven Architecture, RESTful APIs, SOA

Cloud & DevOps: Docker, Kubernetes, Jenkins, CI/CD Pipelines, Infrastructure as Code, GitOps, ArgoCD

Messaging & Integration: Apache Kafka, RabbitMQ, REST, SOAP, Apache Activiti (BPM), Apache Camel, ETL

Databases: PostgreSQL, Oracle DB, MySQL, Redis

Frontend Technologies: Angular, React, GWT, SmartGWT, HTML5, CSS3, JavaScript

Reporting and Data Analytics: Oracle BI Publisher

Tools & Platforms: Git, Maven, Gradle, JIRA, Confluence, Oracle WebLogic, Apache Tomcat

Methodologies: Agile/Scrum, Test-Driven Development (TDD), Continuous Integration/Continuous Deployment (CI/CD), Code Reviews

Professional Experience

Java Developer III — Best Buy Canada

January 2021 – Present

- Architect and maintain enterprise integration middleware connecting Oracle ERP Cloud with third-party financial institutions using Spring Boot (Java 21) and Apache Camel, deployed on OpenShift Container Platform and Microsoft Azure
- Develop and maintain BI Publisher reports for Finance department, delivering critical financial analytics and operational insights
- Led technical implementation of Oracle EBS to ERP Cloud migration, ensuring seamless data migration and system integration continuity
- Enhanced CI/CD pipeline with automated quality gates integrating QA automation test suite, improving deployment reliability and reducing regression incidents 35%
- Design RESTful APIs and event-driven integrations processing financial transactions with 99.9% uptime across cloud-native infrastructure

Technologies: Spring Boot, Java 21, Apache Camel, Oracle ERP Cloud, Oracle BI Publisher, OpenShift, Microsoft Azure, CI/CD, RESTful APIs

Senior Java Consultant — Netcracker (Shaw Communications)

October 2016 – February 2020

- Designed and implemented enterprise Order Management System components processing 50K+ monthly orders across Western Canada
- Developed OSS/BSS integrations connecting order management with billing, provisioning, and inventory systems
- Optimized database queries and PL/SQL procedures
- Led technical design sessions translating telecommunications requirements into scalable solutions aligned with platform best practices
- Mentored offshore team of 6 developers on architecture and enterprise patterns
- Implemented automated testing and CI/CD pipelines reducing regression testing from 3 days to 8 hours with 99.5% release success

Application Architect — ENABIL Solutions Ltd.

August 2008 – February 2016

- Led architectural design for enterprise Billing and Revenue Management suite serving North American telecom clients
- Reduced development turnaround 18% through SDLC analysis and introduction of agile practices, automated builds, and code reviews
- Delivered mission-critical billing integration on time and budget through rapid prototyping, risk identification, and analyst collaboration
- Architected customer self-service portal (GWT/SmartGWT) reducing support calls 40% for 50K+ subscribers
- Designed middleware integration layer connecting Oracle BRM with CRM/provisioning systems
- Mentored 8 developers on architecture principles and design patterns through code reviews and pair programming, improving quality 25%
- Championed Spring Boot, AngularJS, and RESTful APIs to replace SOAP services

Technologies: Oracle BRM, Spring Boot, Spring Framework, Hibernate, Apache Activiti, GWT, SmartGWT, AngularJS, Node.js

Senior Consultant, Java Development Group — MTS Allstream, Inc.

January 2008 – August 2008

- Architected enterprise portal (Liferay/JSR-168) for 200+ users, consolidating 5 legacy applications
- Designed RESTful web services integrating customer portal with parking ticketing system and impound lot management
- Reduced production incidents through root cause analysis and implementation of error handling, logging, and monitoring
- Provided rapid support for mission-critical applications with <2 hour response time and <8 hour resolution for severity-1 incidents

Technologies: Java, Spring Framework, Hibernate, Liferay, Oracle DB, Apache Tomcat, JBoss

IT Consultant & Chief Software Architect — Future Magic Technologies

June 2006 – January 2008

IT Consultant: - Delivered custom software solutions for SMB clients across retail, healthcare, and professional services - Designed VoIP telephony solution (Asterisk/SIP) for 50-seat call center reducing telecommunications costs 60% - Managed full project lifecycles consistently delivering on schedule with 95%+ client satisfaction

Chief Software Architect: - Architected scalable web framework (J2EE/Spring/PostgreSQL) - Designed database schemas for e-commerce, CRM, and inventory systems - Established development best practices (version control, code reviews, automated testing)

Technologies: Java, J2EE, Spring, PostgreSQL, MySQL, Asterisk (VoIP), Python, Perl, PHP

Lead Software Engineer — Zi Corporation

November 2000 – May 2006

- Led 4-engineer team developing predictive text software for mobile devices, achieving 98% on-time release rate across 15+ versions
- Designed dictionary compression algorithms reducing memory footprint 65% (2.3MB to 800KB) while maintaining <50ms lookup performance
- Architected multi-language text prediction engine supporting 40+ languages through linguistic analysis of 500M+ word corpus
- Developed automated web-scraping and NLP tools reducing manual linguistic analysis time 80%
- Optimized embedded C/C++ algorithms for ARM/Motorola processors, achieving 40% performance improvement
- Delivered enterprise mobile solutions to OEM partners (Nokia, Motorola, Samsung) using RUP methodology

Technologies: C, C++, Java, Python, Perl, Symbian S60, ARM, RUP, ClearCase, ClearQuest

Early Career Experience

1993 – 2000

Network Engineer & Systems Administrator — Mosaic Communications, Inc. (1997-2000)
- Designed and deployed ISP network infrastructure serving 5,000+ subscribers with 99.8% uptime - Architected and developed custom billing system using Oracle 7, Perl, and Java that automated invoicing for 5,000+ accounts and reduced billing errors by 90%

Lab Instructor — AMA Computer Learning Centre (1993-1994) - Taught C programming and business software applications to 100+ undergraduate students

Education

Bachelor of Science in Computer Science

Philippine Christian University — 1999

Professional Affiliations

- Board Member, DanceSport Alberta (2015-2016)
- Board Member & Membership Committee Head, Bridgeland Riverside Community Association (2007-2008)
- Member, Philippine Mensa (Since 1993)