

DOLTON DSILVA

Lead Backend Engineer | Distributed Systems | Banking & Fintech Platforms

Mumbai, India | doltondsilva23@gmail.com | +91 9175083847

LinkedIn: linkedin.com/in/dolton-dsilva | GitHub: github.com/dolton | Website: www.doltondsilva.pro

PROFESSIONAL SUMMARY

Lead Backend Engineer with 12 years of experience building distributed, high-scale financial platforms across payments, banking, lending and telecom domains. Experienced in designing Java-based microservices, event-driven systems and backend platforms processing millions of daily transactions. Proven track record of improving system scalability, performance and reliability while leading engineering teams and delivering configurable business platforms. Skilled in Java, Spring Boot, Kafka, Redis, AWS and distributed systems architecture.

PROFESSIONAL EXPERIENCE

NPCI BHIM Services Limited, Mumbai | JUNE 2024 - PRESENT

Lead Software Developer

Architected and evolved configuration-driven backend platforms supporting digital payments, lending, banking and pension services at national scale.

- Architected and scaled a distributed, configuration-driven high volume transaction and rewards processing platform processing over 35 million requests per day with an average P99 of all the endpoints at 80ms.
- Built reusable business-rule and campaign management capabilities enabling cashback, lending, National Pension System (NPS) and referral programs to be launched and modified primarily through configuration rather than repeated engineering releases.
- Increased platform throughput by 5x (40 to 200 requests/sec per instance) while reducing production infrastructure requirements by 43% (14 to 8 instances) through JVM tuning, multi-level caching, asynchronous processing and database optimization.
- Designed reusable integration and onboarding frameworks supporting 35 banking partners, enabling rapid partner onboarding, serviceability validation, business-rule evaluation and product configuration.
- Defined backend architecture patterns, technical standards and design guidelines for platform services, improving consistency, maintainability and long-term scalability across engineering initiatives.

IBM India, Mumbai | MARCH 2022 - DEC 2023

Application Developer

Developed enterprise backend solutions for Bell Canada, contributing to large-scale order management and service provisioning platforms within a distributed agile engineering environment.

- Developed backend services for Bell Canada's enterprise order management platform, contributing to customer onboarding, service provisioning, production support and enterprise SDLC practices within a distributed Agile environment.
- Designed and implemented scalable backend components following enterprise design standards, ensuring maintainable, testable and production-ready code.

Neoquant Solutions Pvt. Ltd, Mumbai | MARCH 2019 - FEB 2022

Java Developer

Owned end-to-end delivery of banking and insurance solutions from requirements through production deployment, including solution design, database modelling, backend APIs, Angular applications, customer interactions and technical mentoring.

- Designed and developed enterprise applications using Java, Spring Boot and Angular for banking and insurance clients. Led a small development team, performed code reviews and mentored engineers to ensure successful project delivery.
- Worked directly with customers to gather requirements, estimate effort and translate business needs into scalable technical solutions. Designed database schemas, backend services and REST APIs while contributing to responsive Angular user interfaces.

Digite Infotech Pvt Ltd, Mumbai | SEP 2014 - DEC 2018

Senior Software Engineer

Built foundational experience in enterprise SaaS product development while contributing to a configurable multi-tenant project management platform.

- Developed and maintained full-stack features for a multi-tenant project management platform using Java and Angular, contributing to AWS-hosted deployments, platform scalability and production support.
- Implemented configurable workflow automation, role-based access control and business process enhancements.

TECHNICAL EXPERTISE

Languages: *Java (8, 11, 17, 21, 25), SQL, JavaScript*

Architecture & Distributed Systems: *Distributed Systems, Microservices, Event-Driven Architecture, Kafka, Redis, Idempotency, API Integration, Asynchronous Processing*

Backend: *SpringBoot, Spring Framework, Hibernate, JPA, REST APIs*

Cloud & DevOps: *AWS, Docker, Jenkins, Git, Linux, Maven, CI/CD*

Databases: *PostgreSQL, YugabyteDB, Oracle*

Performance Engineering: *JVM Tuning, Thread Dump Analysis, Memory Analysis, Capacity Planning*

Observability: *Grafana, Elasticsearch, Kibana, Centralized Logging, Production Monitoring*

Engineering Practices: *System Design, SDLC, Agile, CI/CD, Secure Coding, Code Reviews, Production Support, Root Cause Analysis, Technical Mentoring.*

EDUCATION

Bachelor of Engineering (Computer Science) | JULY 2010 - JUNE 2014

Xavier Institute of Engineering, Mumbai University

LANGUAGES

English • Hindi • Marathi