

Fernando Limeira

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PROFILE

Senior Software Engineer with 15+ years of experience building and modernizing backend systems in Brazil and Canada. Strong background in Java, Spring Boot, APIs, authentication/SSO, and cloud-based architectures, with hands-on experience integrating legacy platforms with modern solutions using AWS, OAuth2, OIDC, and distributed system patterns. Known for improving performance, simplifying complex workflows, and delivering pragmatic, scalable solutions in enterprise environments.

TECHNICAL SKILLS

Languages: **Java, JavaScript, Java EE, Spring Boot, Spring Core, Spring Security, REST APIs, Microservices, Distributed Systems**

AI-Assisted Development: **OpenAI Codex, ChatGPT, AI-assisted refactoring, code review, test generation**

Frontend: **ReactJS, Angular**

Cloud & DevOps: **AWS, Docker, GitLab/GitHub, CI/CD**

Databases: **Oracle, MySQL, PostgreSQL**

Integration: **REST/SOAP APIs, Third-Party Integrations, Enterprise Integration, RabbitMQ**

Feb 2025 - Present

CaRMS

Ottawa, ON Canada

Senior Software Engineer

Canadian organization supporting the national medical residency matching process.

- Designed and implemented authentication and SSO solutions using AWS Cognito, Spring Authorization Server, OAuth2/OIDC, JWT, and secure session patterns across modern and legacy platforms.
- Contributed to legacy modernization initiatives by integrating Java/Spring applications, React frontends, and cloud-based authentication flows.
- Built proof-of-concepts and technical documentation for gateway, BFF, Cognito integration, token exchange, and session-to-token migration strategies.
- Supported enterprise Java systems using Spring, WebLogic, Oracle, JSF, and AWS services while collaborating on architectural trade-offs and implementation planning.

Tech Stack: *Java, Spring Boot, Spring Security, AWS Cognito, OAuth2/OIDC, React, Oracle, WebLogic, AWS*

Apr 2023 - Dec 2024

Thinkon Inc.

Toronto, ON Canada

Software Engineer

Canadian cloud service provider focused on secure infrastructure, disaster recovery, and data protection solutions.

- Designed and implemented a reusable Proxy API for historical logging across Jersey and Spring-based services.
- Built queue-driven Stripe payment integrations using RabbitMQ and clean service boundaries.
- Created an annotation-based permission model, replacing duplicated endpoint authorization checks.
- Standardized exception handling and logging for third-party integrations, improving troubleshooting and maintainability.

Tech Stack: *Java 17, Spring, Jersey, MySQL, RabbitMQ, Maven, GitLab, React*

Oct 2021 - Apr 2023

Iteris

São Paulo, SP Brazil

NodeJS Engineer - Authvia

WORK EXPERIENCE

- Migrated transaction storage from AWS S3 to DynamoDB in a serverless Node.js architecture.
- Developed TypeScript REST endpoints using object-oriented design and API best practices.
- Built Jest unit tests under an 85% coverage requirement and Postman integration tests for API workflows.

Tech Stack: *Node.js 14, Git (Git Lab), Atlassian ecosystem, WebService Rest, AWS.*

Apr 2020 - Oct 2021

Indra Company

João Pessoa, PB, Brazil

Java Engineer - Telefonica Brazil

- Developed a Neo4j proof of concept to model and visualize telecom network relationships, assessing feasibility for broader adoption.
- Implemented REST/SOAP endpoints aligned with TM Forum standards for telecom service integrations.
- Led delivery activities for a network traffic monitoring project, including sprint planning, task breakdown, and coordination with Telefônica stakeholders.

Tech Stack: *Java, Neo4j-OGM, Spring, Neo4j Graph Database, WebService SOAP and Rest.*

May 2018 - Dec 2019

A.C. Paz Construction

Toronto, ON, Canada

Java Engineer

- Built a mobile-enabled clock-in/clock-out solution using geolocation, replacing manual spreadsheet-based time tracking for construction sites
- Extended a monolithic Java/JSP system with service endpoints for mobile app integration.
- Implemented OAuth2 authentication with Spring Security and developed AWS S3 photo upload features for field workers.

Tech Stack: *Java 8, JPA-Hibernate, Maven, Spring Frameworks, MySQL Database, HTML 5, CSS 3, JavaScript, Wildfly 8 and AWS.*

March 2010 - Jun 2017

Unimed Fortaleza

Fortaleza, CE, Brazil

Java Engineer

- Developed ERP, financial, SSO, reporting, and release automation features using Java, Spring, JSF, Oracle, and PL/SQL.
- Built a release automation tool integrating SVN, Jira, and Archiva, reducing release cycles from two weeks to two days.

Tech Stack: *Java, Spring, JSF, Oracle PL/SQL, JUnit, Maven, SVN*

EDUCATION

2009 Bachelor in Information Systems, Faculdades Integradas de Patos (PB).

2002 Technology Foundation in Data Processing, Instituto Educacional Vera Cruz de Patos (PB).

LANGUAGE SKILLS

Portuguese - Native

English - Fluent