

Emmanuel Cázarez Perea

Full-Stack Software Developer | Java / Spring Boot / Angular

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Profile

Full-stack developer with experience in Java/Spring Boot, Angular, REST APIs, relational databases, and cloud delivery. Develops internal business systems and independent open-source Java tooling, with additional enterprise experience at Coppel.

Technical Skills

Backend: Java, Spring Boot, Spring Security, JPA / Hibernate, REST APIs, gRPC, C# / .NET, PHP.

Frontend: Angular, TypeScript, RxJS, JavaScript, Astro, Vue.js, Tailwind CSS.

Data: PostgreSQL, SQL Server, SQL, Flyway.

Delivery / Testing: Git, Docker, GitHub Actions, Azure DevOps, Google Cloud Build, Firebase, Maven, JUnit, Vitest, Playwright.

Experience

Fusión de Contadores Públicos

Full-Stack Software Developer

Apr. 2020 - Present

Project-based through Jun. 2026; now on-site.

- Built **Angular, Spring Boot, and PostgreSQL** workflows for IVA (VAT) refunds, clients, tasks, and reporting in an internal operations platform in development.
- Implemented Flyway migrations, JPA persistence, audit history, logical deletion, and concurrency controls in a modular monolith organized by business capability.
- Integrated Google Workspace authentication, role-based access, and CriteriaForge queries constrained by each employee's authorized data scope.
- Implemented document extraction with **PDFBox / Tesseract OCR** and editable PDF generation for case workflows.
- Delivered the FC Contadores website with Astro, Tailwind CSS, and MDX; implemented Firebase Functions, form validation, anti-spam controls, and CI/CD using GitHub Actions and Google Cloud Build.
- Developed earlier Vue.js sites and managed DigitalOcean VPS deployments with Docker, Linux, DNS, Nginx, and SSL.

Coppel

Full-Stack Software Developer | Full-time

Nov. 2023 - Jun. 2026

- Migrated scheduled PHP tasks to **Java Spring Boot**; implemented outbound HTTP integrations with WebClient, centralized error handling, and structured logging.
- Designed a monolith-to-microservices migration strategy using gRPC between services and REST APIs for upstream consumers.
- Worked with **Spring Security and IAM** for authentication-token handling and Microsoft account management.
- Built a distribution-center (CEDIS) logistics system with **Angular** and an Express REST API.
- Maintained PHP and JavaScript/jQuery applications; developed C#/.NET utilities consuming external REST APIs for internal operations.

Personal Projects

CriteriaForge | Independent open-source Java/Spring Boot library

- Developed validated dynamic JPA queries with filtering, projections, sorting, deterministic pagination, and relationship traversal; integrated the library into the FC Contadores Operations API.
- Added query-policy controls, filter composition, result mapping, and Spring Boot compatibility tests; maintained documentation and the Maven Central publication workflow.

Education & Languages

Bachelor's Degree in Computational Systems Engineering | 2020

Instituto Tecnológico de México, Campus Culiacán

Spanish: Native. English: Professional working proficiency.