

Diana Laura Fuentes Osorio

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Professional Summary

Senior Full Stack Developer with over 7 years of experience building enterprise applications using **Java**, **Spring Boot**, and Angular. Specialized in **AWS** cloud deployments, REST API development, microservices architecture, and PostgreSQL. Expertise in modernizing ERP/DMS systems, process optimization, and developing scalable business-oriented solutions. Strong focus on code quality, performance, and complex problem-solving.

Technical Skills

- **Backend:** Java (Spring Boot), REST APIs, Python, .Net, Node JS, Hibernate, Microservices, Clean Architecture.
- **Frontend:** Angular, React, Next.js, PHP, JavaScript, TypeScript, HTML5, CSS3.
- **Database:** PostgreSQL, SQL Server (Stored procedures), MongoDB.
- **Cloud & DevOps:** **AWS**, Docker, Pipelines, GitHub Actions, Harbor, Lambda.
- **Tools:** Git, SVN, VS Code.

Professional Experience

Tech Leader / Full Stack Developer | Desarrollo Comercial FERRE *March 2025 – May 2026*

- Led the development and maintenance of enterprise applications using Java and Angular.
- Designed and implemented scalable REST APIs and microservices architectures to improve system modularity.
- Managed containerization with Docker and automated build pipelines via GitHub Actions.
- Performed code reviews and enforced development best practices, reducing production errors by 30%.
- Improved deployment times and overall system stability.

Analyst Developer | Desarrollo Comercial FERRE *October 2023 – February 2025*

- Migrated ERP and DMS systems toward Java-based microservices architectures.
- Implemented Angular microfrontends to decouple modules and improve maintainability.

- Developed reusable internal libraries published via npm, reducing integration time by 40%.

Software Developer | AB Systems *May 2023 – September 2023*

- Developed web applications using Angular and Java/Spring Boot.
- Implemented Clean Architecture principles to ensure high scalability.
- Integrated SQL Server databases, managing complex business logic and queries.
- Contributed to the development of a SaaS platform.

Full Stack Developer / Project Manager | INTEGRIAPP S.A. de C.V. *August 2019 – March 2023*

- Developed web and mobile solutions using Angular, Java, React, and PostgreSQL.
- Managed technological projects and coordinated directly with clients, resulting in a 45% increase in the client portfolio.
- Implemented continuous improvements to existing products to enhance stability and quality.

Systems Administrator | Grupo Educativo UNIVO *May 2018 – August 2019*

- Developed academic and administrative platforms using Java, Spring Boot, PHP, and JavaScript.
- Implemented modules for billing, student control, and internal administrative processes.
- Optimized enrollment processes, payment systems, and operational analysis.

Additional Projects

Document & Certification Management System

Tech Stack: React, Node.js, Python, AWS (S3, Lambda, RDS)

- Architected and developed a comprehensive system for managing sensitive legal and professional documents (e.g., identity IDs, professional licenses, and academic certifications).
- Implemented complex business logic to handle multi-part document uploads (front and back views) and conditional validation based on digital or physical formats.
- Engineered the backend using Python and Node.js to automate the generation of training certificates, attendance lists, and registration forms based on dynamic course data.
- Leveraged AWS for secure storage and scalable infrastructure, ensuring data integrity and high availability for client-side document processing.

Professional Appointment Scheduling Platform

Tech Stack: React, Node.js, PostgreSQL

- Designed and deployed a high-performance booking system tailored for aesthetic clinics and specialized consultancies.
- Developed an intuitive user interface in **React** to manage real-time availability, service categories, and automated patient reminders.
- Optimized the database schema in **PostgreSQL** to handle concurrent booking requests and maintain detailed history logs for professional services.
- Integrated a flexible management dashboard allowing administrators to track payments, status updates (paid/owed), and professional session folios.

Industrial Flow & Logistics Tracker (Rice Mill)

Tech Stack: Flutter, Python, REST APIs

- Engineered a cross-platform mobile application using **Flutter** to track the production and logistics flow within an industrial rice mill environment.
- Developed a **Python**-based backend to process real-time data from the production line, providing visibility into processing stages and inventory status.
- Integrated automated alerts and status reporting (e.g., active/cancelled/completed) to optimize operational efficiency and reduce manual tracking errors.
- Implemented secure **REST APIs** to synchronize data between the factory floor mobile units and the central management database.

Education

- **Master's in Integrated Systems and Networks** – LANIA | 2019–2023
- **Diploma in Cloud Computing** – Universidad del Valle de Orizaba | 2018
- **B.S. in Computer Systems Engineering** – Universidad del Valle de Orizaba | 2013–2018

Languages

- **Spanish:** Native
- **English:** B1

Available for relocation (no sponsorship required)