

Irwin Alejandro Rodriguez Ramirez

Senior Full-Stack Developer

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Senior Full-Stack Engineer with 10+ years building scalable web applications, REST APIs, and cloud-native systems across fintech, healthcare, and enterprise sectors. Specialized in Generative AI integration, LLM-powered workflow automation, and secure software delivery on AWS and Azure. Proven technical leader driving cross-functional teams at PwC/Capital One, Wizeline/Google, and multiple product companies.

Last Work Experience

Kunai-PwC, Senior Associate

2024 – 2026

Senior Engineer on secure, highly regulated projects for financial institutions, leading cross-functional teams to deliver high-quality software and integrating AI-powered workflows and automations into internal tooling.

- **Capital One:** Led development of an internal platform to automate security compliance and software delivery across the engineering organization, reducing manual review cycles and improving deployment standards.
- **PwC:** Principal architect of an AI-powered research and portfolio automation system; implemented RAG pipelines and LLM-driven agents to generate data-driven client analysis reports.

Wizeline, Senior Software Engineer

2020 – 2023

Worked on multiple projects for clients in the North American region as a developer and consultant, delivering full-stack solutions and architectural improvements across cloud and mobile platforms.

- **Google - Apache Beam:** Developed and optimized distributed data processing pipelines in Python and Java using Apache Beam on Google Cloud Dataflow, handling large-scale event streams.
- **Grupo Salinas - BAZ Superapp:** Built full-stack features for a high-traffic fintech super-app using React and Node.js, serving millions of users across Mexico.
- **American Water Resources:** Designed and implemented a scalable plan-selling system with Angular and Node.js, integrating third-party payment and CRM APIs.

Purpura Analytics, Senior Full Stack Developer

2018 – 2020

Lead developer in charge of creating, developing, and maintaining all the client projects and their architectures. I create code guidelines for all teams, manage tasks, and lead team meetings.

- Develop web apps with Angular 4+, VueJS, and mobile apps with Ionic.
- Develop and design REST APIs with NodeJS and Laravel.
- Database design, with MongoDB and MySQL.

Creatima, Software Developer

2016 – 2018

Developer Jr, in charge of the maintenance of legacy systems with the PHP Laravel framework and developing new SPA systems. Maintenance and personalized website UI/UX per client.

Education

Instituto Politécnico Nacional (IPN) – B.Eng. in Electronics and Communications Engineering, Software Specialty Escuela Superior de Ingeniería Mecánica y Eléctrica (**ESIME**)

Skills

Frameworks – React (Advanced), Angular (Advanced), Node.js/Express (Advanced), Vue.js, Laravel, FastAPI, LangChain, LangGraph.

AI/ML - Generative AI, Large Language Models (LLM), RAG (Retrieval-Augmented Generation), Prompt Engineering, AI Agents, LangChain, LangGraph, Claude (MCP servers, agent orchestration), OpenAI API.

Languages - JavaScript (Advanced), TypeScript (Advanced), Python (Advanced), Java, HTML5 (Advanced), CSS3 (Advanced), PHP, SQL.

Cloud & DevOps – AWS (Lambda, S3, EC2, API Gateway), Azure, Docker, CI/CD Pipelines, Jenkins, Firebase, Redis, Webpack, SASS.

Databases – MongoDB (Advanced), MySQL, PostgreSQL, NoSQL.

Process & Leadership – Agile, Scrum, Kanban, Technical Leadership, Team Management, Stakeholder Management, Jira, Git.