

Ivan Ramirez - Senior Software Engineer (Flutter/Node.js)

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PROFESSIONAL SUMMARY

- : Senior Software Engineer with 5+ years of professional experience specializing in **Flutter** and **Node.js/TypeScript**. Proven track record of designing and delivering scalable, high-quality mobile and backend systems in fast-paced, Agile environments. Passionate about applying technical excellence to mission-critical products, such as digital mental health platforms, to create impactful user experiences and support business objectives. Adept at system architecture, microservices, CI/CD, and full-stack development with a strong focus on operational excellence, testing, and clear stakeholder communication.

PROFESSIONAL EXPERIENCE

- **Banco Itau** Feb 2025 - Present
Senior Full Stack Engineer - Flutter & AWS *Remote, Colombia*
 - **Flutter Web Development:** Design and develop high-performance, maintainable Flutter web applications for enterprise solutions, ensuring optimal user experience and cross-platform compatibility.
 - **Serverless Backend & Microservices:** Build scalable and reliable APIs and microservices using AWS Lambda, API Gateway, and ALB, implementing event-driven and serverless architectures for high availability.
 - **Cloud Infrastructure & CI/CD:** Deploy applications via Amazon CloudFront and S3. Provision infrastructure as code using AWS CloudFormation, ensuring reproducible and automated environments. Maintain high standards for operational excellence, monitoring, and alerting.
 - **Data Management:** Manage NoSQL databases with Amazon DynamoDB and centralize configuration using AWS Systems Manager Parameter Store.
- **Wait N Rest** Apr 2025 - Present
Full Stack Developer & DevOps *Remote, Colombia*
 - **Full-Stack Development:** Develop and maintain critical business applications using Flutter, React, and Next.js, supporting operations across multiple locations.
 - **Microservices & System Architecture:** Design and implement flexible services and system architectures that power core business functions, focusing on scalability and reliability.
 - **DevOps & Cloud Infrastructure:** Manage full production deployment cycles using Docker, Amazon ECS, ALB, and Terraform for Infrastructure as Code (IaC). Implement and maintain GitLab CI/CD pipelines, automating the complete software lifecycle and ensuring robust testing strategies.
 - **Database Administration:** Administer and optimize SQL databases on Amazon RDS (MySQL), including query optimization, performance monitoring, and backups.
- **Double V Partners** Mar 2023 - Sep 2024
Full Stack Developer *Remote, Bogotá D.C, Colombia*
 - **Mobile Development with Flutter:** Developed mobile applications using Flutter, employing state management patterns (Bloc, GetX, Provider) and ensuring clean, modular code. Managed app releases on Google Play and App Store.
 - **Backend Development with Node.js:** Built robust backend systems using NestJS (Node.js/TypeScript), creating REST and GraphQL APIs. Applied design patterns and contributed to system architecture decisions for scalable microservices.
 - **AWS & DevOps:** Managed production, staging, and development environments. Implemented CI/CD pipelines using AWS and Docker for container management.
- **TechD** Jan 2024 - Sep 2024
Analytics Developer 1 *Remote, Miami, FL*
 - **AI-Powered Web Applications:** Developed custom Next.js (Node.js) applications integrating AI models (OpenAI, Anthropic, Amazon Bedrock) to process diverse inputs (audio, PDF, text) and deliver structured business solutions, focusing on data security and complex problem-solving.
 - **Backend & Search Optimization:** Implemented and optimized search functionality using Elasticsearch, handling large data volumes efficiently within Node.js applications.
- **EY** Nov 2022 - Mar 2023
Full Stack Developer *Hybrid, Bogotá D.C, Colombia*
 - **Backend & Data Migration:** Focused on backend development, database migration, and report creation using SQL and Python in an Agile delivery environment.
 - **CI/CD Pipelines:** Developed continuous integration and deployment pipelines using Azure DevOps to ensure smooth and efficient project delivery.

MODERN DEVELOPMENT WITH AI & TOOLS

- : I strategically integrate cutting-edge AI tools into my development workflow to accelerate delivery, enhance code quality, and solve complex problems. This approach allows me to focus on high-level architecture, thoughtful trade-offs, and delivering measurable value.
 - **AI-Powered Development:** Proficient with **GitHub Copilot**, **Claude Code**, and **Amazon CodeWhisperer** for intelligent code completion and generation within VS Code. Use AI agents and CLIs like **OpenClaw** to automate complex tasks, from scaffolding full applications to orchestrating infrastructure with Terraform and AWS.
 - **Impact on Delivery:** Leverage AI to rapidly prototype, debug, and write robust unit and integration tests (Jest), significantly reducing development cycles while maintaining high standards for code reviews, documentation, and operational excellence. This enables faster iteration in Agile environments and effective collaboration with product and engineering teams.

RELEVANT PROJECT

- **Micro - Regional Championship** Weekend Project
Full Stack Developer <https://micro.freeloz.com>
 - **Full-Stack Application:** Built a tournament management system with a Vue.js 3 frontend and a documented LoopBack 4 (Node.js) API with Swagger.
 - **System Design & DevOps:** Designed and deployed the entire infrastructure on AWS EC2 using CapRover and Docker containers. Automated provisioning with Terraform, demonstrating end-to-end ownership from development to production deployment.
 - **Database & Backup Management:** Managed MongoDB operations and implemented an automated backup system to MinIO (S3-compatible), ensuring data durability.

EDUCATION

- **B.S. in Systems and Computer Engineering** Jan 2017 - Dec 2021
Pontificia Universidad Javeriana *Bogotá D.C, Colombia*
 - **Emphasis:** Advanced Software Development, Software Quality, and AWS.
 - **Thesis Project:** Developed a full-stack solution (Flutter, LoopBack 4, AWS) to digitize processes for a non-profit organization.

TECHNICAL SKILLS

- **Languages & Frameworks:** Flutter, Dart, Node.js, TypeScript, JavaScript, NestJS, .NET, Python
- **Mobile Architecture & Patterns:** MVC, MVVM, Bloc,GetX, Provider, Clean Architecture
- **Cloud & DevOps:** AWS (Lambda, ECS, RDS, DynamoDB, CloudFormation, S3, CloudFront), Docker, GitLab CI/CD, Terraform, Azure DevOps
- **Databases:** MySQL, PostgreSQL, MongoDB, SQL Server, SQLite
- **Tools & Practices:** Git, Jira, Figma, Swagger, Agile/Scrum, Unit/Integration Testing (Jest)