

Freddy Gutierrez

Mixco, Guatemala

Mobile: +502 5598 8371

Email: freddy12gutierrez@gmail.com

LinkedIn: <https://www.linkedin.com/in/fwebmaster>

Portfolio: <https://fwebmaster.com>

Professional Profile

Senior Software Engineer with 6+ years of experience specializing in React, Next.js, and NestJS ecosystems. Expert in designing multi-tenant SaaS architectures and high-scalability mobile applications. My approach combines technical excellence with AI-augmented productivity, prioritizing testable and maintainable code, system scalability, and business value delivery through solutions that optimize critical processes and reduce technical debt.

Education

2023 – Present: B.S. in Systems Engineering

Universidad Mariano Gálvez, Guatemala

2016 – 2018: High School Diploma with Computer Science Specialization

Colegio Evangélico Mixto Innovador, Guatemala

Professional Experience

Dec 2024 – Present: Senior Frontend Developer

COTIZAP S.A, Guatemala

- Led the migration of a legacy architecture to Next.js App Router with strict TypeScript, establishing a modular component system that reduced new feature development time by 30%.
- Implemented a unit and integration test suite using Jest and React Testing Library, increasing coverage on critical modules and reducing production regressions.
- Optimized rendering logic in complex inventory modules, eliminating bottlenecks when handling large volumes of real-time data.
- Collaborated closely with the Backend team to implement robust API contracts (gRPC/REST), ensuring data integrity across critical billing processes.

Jul 2023 – Oct 2024: Full Stack Developer

Zerio Inc, United States

- Built 3 web applications and 2 cross-platform mobile apps (iOS/Android) with React Native and TypeScript using a shared codebase strategy, maximizing efficiency while maintaining feature parity.
- Designed and implemented a microservices architecture for the NestJS backend, ensuring service isolation and horizontal scalability.
- Integrated Stripe for recurring payment management, webhook handling, and subscription lifecycle control.
- Wrote integration tests with Jest to validate critical business flows (payments, subscriptions), reducing production incidents.

Nov 2021 – Aug 2023: Web Developer

Maxicompra, Guatemala

- Developed and maintained React web applications supporting internal ERP systems and business processes.
- Integrated ERP platforms with Magento through external API consumption and adaptation for product, order, and inventory synchronization.
- Contributed to the development and maintenance of two production projects, ensuring stability, continuous improvements, and technical support.

Projects

F-Wallet – Personal Finance Management Platform

Founder & Full Stack Engineer

- Designed and developed a comprehensive personal finance platform in TypeScript (backend, web, and mobile) supporting Android, iOS, and web environments.
- Implemented incremental balance calculation algorithms, optimizing client-side resource usage and avoid-

ing redundant processing of historical transactions.

- Built an Offline-First architecture with delta synchronization, ensuring uninterrupted user experience and financial data integrity under unstable network conditions.

F-CMS – Multi-tenant Headless CMS Platform

Independent SaaS Initiative

- Architected a multi-tenant SaaS system with database-level data isolation (Firebase), enabling independent client scaling and dynamic RBAC (Role-Based Access Control) configurations.
- Structured the architecture with a SaaS-first approach, prioritizing scalability and secure data segmentation across organizations.

Technical Skills

Frontend: React 19, Next.js (App Router), TypeScript, Redux, Zustand, Tailwind CSS, Framer Motion.

Mobile: React Native, Expo, Gradle, Xcode.

Backend & Data: Node.js, NestJS, PostgreSQL, MongoDB, Redis (Caching), TypeORM, Prisma.

Testing: Jest, React Testing Library, Vitest, Playwright (E2E).

AI & Productivity: Claude Code, Cursor, GitHub Copilot, AI SDK (Vercel), Prompt Engineering, LLM Integration (OpenAI/Anthropic APIs).

Architecture & DevOps: Microservices, System Design, CI/CD (GitHub Actions), Docker, Monitoring (Sentry/LogRocket).