

Denilson Barahona

Senior Full-Stack Engineer | React · Node.js · Web3

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PROFESSIONAL SUMMARY

Full-stack engineer with 11+ years of professional experience building scalable web applications end to end. Strong on the frontend (React, TypeScript, Redux and complex state management, modern Next.js - Server/Client Components, Server Actions) and across the backend with Node.js, GraphQL, serverless REST APIs, Firebase Cloud Functions and SQL, applying hexagonal architecture and automated testing. Shipped a full DeFi dApp (smart contracts + backend + frontend) and led a government call-center platform. Experienced in real-time systems, monorepos, performance optimization, technical leadership and mentoring. Currently building AI agents with LangChain, LangGraph, Tools and MCPs.

EXPERIENCE

Senior Frontend Developer — DACODES / DD360 (Mexico) — Remote Jul 2022 – Jul 2026

- Build and maintain production web applications with React, TypeScript and Next.js, and introduced an automated testing culture (Vitest, Testing Library) that reduced bugs reaching production.
- Developed a market-research analytics platform with heavy data visualization (Mapbox, Recharts); optimized rendering performance through lazy/deferred rendering with the Intersection Observer API, keeping dashboards with many maps and charts responsive and avoiding UI freezes.
- Implemented real-time communication with WebSockets to keep the UI in sync with backend events.
- Built a data-ingestion app that imports and processes Excel files feeding the analytics dashboards.
- Built an internal back-office system (large single-page app) using a monorepo and the container/presenter pattern to automate financial, committee and credit-granting processes; also proposed and drove the adoption of hexagonal architecture.
- Contributed to a backend user-management service built as a serverless REST API with hexagonal architecture, implementing endpoints, fixing bugs and adding tests.
- Contributed components to a shared Design System and led code reviews across projects and worked in an Agile/Scrum environment; delivered internal talks, including the adoption of AI-assisted development practices (AGENTS.md, spec-driven development).

Stack: React, TypeScript, Next.js, Tailwind, Zustand, React Query, Vitest, Testing Library, WebSockets, Mapbox, Recharts, Node.js, serverless REST, Monorepo, Git, Zod, Radix, react-hook-form.

Senior Software Developer / Founder — Macuvi (Honduras) Jan 2020 – Dec 2021

- Founded the company and built a CRM that automated sales, billing and tax-declaration processes for small businesses, reducing time spent on manual tasks by 60%.
- Developed an accounts-receivable module with automatic notifications for expiring credit terms, built following web accessibility standards.
- Owned the full product lifecycle end to end: development, deployment, testing, design, client communication and sales.

Stack: React, JavaScript, Redux, Firebase (Firestore, Cloud Functions, Storage), Jest, Testing Library, Git.

Freelance · Frontend Lead — Sedesol (Honduras) 2025 (Contract 4 months)

- Led the frontend of a government call-center platform supporting outbound/inbound calls, call queuing, multi-user conferences, and logging of caller cases (complaints / reports) with follow-up handling.
- Built analytics dashboards with call metrics: average handle time, time-to-answer and call-type distribution.
- Wrote use-case tests (Vitest, Testing Library), reviewed merge requests and resolved bugs before production releases.

Stack: React, Next.js, TypeScript, React Query, Docker, JsSip, BFF, Figma, SSR

Freelance · Senior Software Developer — Nova (Honduras) 2024 (Contract 2 months)

- Built end to end a decentralized finance (DeFi) lending platform where users request crypto loans funded by other users — smart contracts, backend and frontend.
- Defined the tech stack to ship an MVP quickly while reducing development costs.
- Earned 3rd place at the Ethereum Argentina 2024 hackathon.

Stack: Solidity, Hardhat, OpenZeppelin, Mocha, wagmi, Web3, React, Next.js, TypeScript, Tailwind, Chakra UI.

Software Developer — SSIS / PRAF (Honduras) Aug 2014 – Dec 2021

- 7+ years working with SQL Server: writing complex queries for data analysis, data mining and general reporting, supporting daily business decisions.
- Built a back-office web application from scratch with Node.js and Express, with JWT authentication, REST endpoints, an Angular frontend and a SQL Server database with Sequelize ORM to register government projects, record which institutions provided the funding, and track how those funds were spent.
- Developed web applications with Visual Basic .NET to manage participant information and demographic studies, and to automate manual customer-service processes, cutting daily task time by 50%.
- Built a data-sync script consuming a linked server to update 1,000,000+ records, reducing the full process to ~5 minutes.
- Automated stored procedures to register 150,000+ government cash-aid payments delivered to families through banking, and transformed database information to measure the impact of the "Bono Vida Mejor" social program.
- Built a mobile app for the customer-service department that handled 20,000+ complaints, requests and identity validations.
- Introduced a DevOps culture (version control, testing and deployment tracking) using Bitbucket.

Stack: SQL Server, SQL, Node.js, Express, Sequelize, JWT, Angular, Visual Basic, Visual Studio .NET, ASPX, DevExpress, jQuery, JavaScript, Android Studio, Java, Realm DB, Bitbucket.

TECHNICAL SKILLS

Backend & Data: Node.js, Express, GraphQL, REST & serverless APIs, WebSockets, Firebase (Firestore, Cloud Functions, Storage), MongoDB, SQL Server, PostgreSQL, Sequelize

Frontend: React, Next.js, Redux, Zustand, React Query, Zod, react-hook-form, Radix, Styled-Components, Sass, Tailwind, BEM, Webpack, Babel

Languages: TypeScript, JavaScript, Python, SQL, Solidity, Java, C#, Visual Basic, HTML5, CSS3, Golang

Cloud & DevOps: AWS (serverless / Lambda), Docker, CI/CD, Git, Bitbucket, GitHub Actions, Turborepo

Testing: Vitest, Jest, Testing Library, Mocha

Web3 / Blockchain: Solidity, Hardhat, OpenZeppelin, wagmi, Web3.js, smart contracts, DeFi

AI: LangChain, LangGraph, AI agents, MCP (Model Context Protocol), Cursor, Claude Code, spec-driven development

Languages (spoken): Spanish (native), English (C1 Advanced)

EDUCATION & CERTIFICATIONS

B.Sc. in Computer Engineering — Catholic University of Honduras, Tegucigalpa 2014

- Platzi — Advanced Serverless Framework Course on AWS (2026)
- Platzi — Go Course: Object-Oriented Programming and Concurrency (2026)
- Platzi — Terraform Course (2026)
- Platzi — Introduction to Blockchain Development: Smart Contracts (2023)
- Platzi — Backend Course with Node.js: Databases with PostgreSQL (2023)
- Platzi — Advanced React Course (2022)