

DAVID LUCAS BAUTISTA

Senior Software Engineer | Angular, React, Next.js, TypeScript | 6 years of experience

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SUMMARY

Senior Software Engineer with 6 years of experience designing and building scalable, responsive user interfaces with Angular, React, and Next.js, backed by hands-on experience with Node.js and NestJS. Owns front-end architecture for enterprise applications, turns design requirements into performant interfaces, and builds real-time features over WebSockets. Drives code review standards, automated testing, CI/CD, and mentoring within global delivery teams serving banking and enterprise clients. Advanced English.

EDUCATION

Instituto Tecnológico Superior de Zongolica

Zongolica, Veracruz, Mexico

Bachelor's Degree in Computer Systems Engineering

2021

EXPERIENCE

NTT DATA

Remote, Mexico

Senior Software Engineer

2023 – 2026

Delivered enterprise front-end applications for banking and food & beverage clients within global delivery teams, working closely with back-end teams on API contracts, integration, and release quality.

- Owned front-end architecture decisions for enterprise-scale applications built with Angular, React, and TypeScript, applying component-based architecture and performance optimization.
- Delivered front-end work for enterprise clients across banking and food & beverage, including an Angular back-office admin panel for a food & beverage client.
- Collaborated with back-end teams to define, consume, and validate REST API contracts, and took part in client-facing technical discussions in English.
- Built and maintained CI/CD pipelines with automated testing (Playwright, WebDriverIO, Appium) to ensure release quality.
- Established code review standards and testing practices, and conducted code reviews to keep quality consistent across the team.
- Led technical interviews for developer candidates and mentored junior developers.

Nexora Technologies

Veracruz, Mexico

Software Engineer

2021 – 2023

Built SAGIM end to end (web front ends, mobile app, and API), a multi-tenant GovTech SaaS platform that digitizes municipal services for small Mexican municipalities.

- Built the Angular admin dashboard and the Next.js citizen portal, the main interfaces for municipal staff and citizens.
- Developed the SAGIM mobile app with React Native (Expo).
- Translated design requirements into responsive interfaces covering treasury, citizen services, and public works modules.
- Implemented real-time UI features over WebSockets (live treasury KPIs, appointment and report updates, and emergency alerts) and integrated third-party services such as Stripe, Mapbox, and PostHog.
- Shipped the SOS/emergency security module end to end across all application layers, from the mobile and dashboard interfaces to the NestJS API with real-time GPS tracking.
- Built the NestJS and Node.js REST and WebSocket API that the interfaces consume, with JWT authentication, role-based access control, and multi-tenant isolation, and implemented backend integration tests to support safe releases.
- Integrated CI/CD deployment workflows using Docker and delivered the platform to production for two municipalities, managing the full release cycle.

Consultora Ohkasis

Mexico

Software Engineer

Sep 2020 – Jul 2021

- Developed front-end interfaces with Angular and React for client-facing web applications.
- Built supporting RESTful APIs with NestJS and Node.js.
- Containerized and deployed applications using Docker.
- Worked directly with clients to translate business requirements into technical UI solutions.

TECHNICAL SKILLS

Front-End: Angular, React, Next.js, React Native (Expo), TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS, Tailwind CSS, Bootstrap

Architecture: Component-based architecture, design-to-code implementation, responsive design, performance optimization

Tooling & Testing: Git, CI/CD pipelines, Docker, Webpack, Vite, Jest, Playwright, WebDriverIO, Appium

Integrations: Stripe, Mapbox, PostHog

Back-End (supporting): Node.js, NestJS, REST APIs, WebSockets (Socket.IO), JWT, MongoDB (Mongoose), PostgreSQL (querying)

Languages: Spanish (native), English (advanced)

PROFESSIONAL DEVELOPMENT

- Agentic Design Patterns in TypeScript: tool use, planning, reflection, ReAct, multi-agent systems, and guardrails.