Alejandro Arias

Full Stack Developer | Next.js · React · TypeScript · AI

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SUMMARY

Computer Systems Engineer and full-stack developer with 4 years building web products with Next.js, React, TypeScript and Node.js. I integrate AI into real products (ChatGPT assistants, Mastra workflows) and into my development workflow with coding agents (Claude Code, OpenCode, Pi, Codex and others), and I build complex editors (TipTap, React Flow). I have worked remotely with international clients and teams, in English and Spanish, across the full project lifecycle: planning, design, development, deployment and maintenance. I use agile methodologies to deliver quality solutions on tight timelines, and I keep learning new tools and frameworks while leading team and personal projects.

EXPERIENCE

Sofka | Remote

Development Consultant (Next.js, React, TypeScript, React Native CLI) | November 2024 - March 2026

- Built the frontend of a banking ecosystem for a financial institution, consuming REST APIs under BIAN architecture standards.
- Applied hexagonal architecture to isolate business logic from external integrations.
- Developed an administrative panel with Next.js, React and TypeScript.
- Built a mobile application with React Native CLI.
- Cut development times by up to 50% with AI agent workflows.
- Implemented design patterns to speed up the creation of new features and improve maintainability.

Tribuna AI (Project Contract) | Remote

Front-End Developer (Next.js, React, TypeScript, ChatGPT API, Turborepo, Zustand) | February 2024 - August 2024

- Integrated the ChatGPT API with Next.js to build custom assistants for a legal-tech product serving clients in Puerto Rico.
- Applied prompt engineering to optimize the responses users received.
- Integrated payment gateways (Stripe, PayPal) and Google authentication.
- Implemented a monorepo architecture with Turborepo tailored to the project.
- Deployed on Vercel and managed the preview, development and production environments.
- Built the landing page and dashboard with Next.js, prioritizing performance, accessibility and usability.
- Integrated the business layer and authentication with the backend through REST APIs.
- Took part in analysis, design, implementation, testing and maintenance alongside the backend team and the clients.

Melt Studio | Remote

Full Stack Developer (Next.js, React, TipTap, React Flow, Tailwind CSS) | May 2022 - February 2024

- Developed full-stack features with Next.js for US startups and internal initiatives, working with international teams in English and Spanish.
- Built a custom OAuth 2.0 authentication system over REST APIs for Asana, Linear and Jira.
- Contributed to a custom TipTap text editor integration and to a node-based editor built with React Flow.
- Built a custom chat interface in Next.js and Tailwind CSS integrated with ChatGPT.
- Integrated Google Wallet and Apple Wallet notifications for Android and iOS.
- Gathered requirements, designed and implemented new features together with US clients.
- Collaborated on the maintenance and stability of a national-scale e-commerce platform.
- Collaborated on migrating a database architecture for Next.js.

Círculo Militar (Project Contract) | Remote

Front-End Developer (React, TypeScript, Redux, Tailwind CSS, React Native) | December 2021 - April 2022

- Developed the web dashboard for managing the services Círculo Militar offers and collaborated on its mobile app (Android and iOS).
- Integrated the frontend with the backend through REST APIs and Redux for state management.
- Managed a shared development environment with Kanban, Git and GitLab.

- Implemented Figma designs, report generation, a markdown editor and responsive layouts for web and mobile.
- Took part in every project phase (requirements, design, construction, testing and maintenance) with the clients, the designer and the backend developer.

UCOOPPANE (Internship) | Remote
Front-End Developer (WordPress, WooCommerce, Elementor, PHP) | July 2020 - December 2020
- Built an e-commerce site as part of a team with WordPress and WooCommerce.
- Created a custom landing page with WordPress and Elementor.
- Administered the PHP development environment and collaborated on the cloud deployment (hosting and domain).
- Set up the clients' digital presence (Facebook, Google Maps) alongside the landing page.

PROJECTS

Stylistic × Stylistics Backend (TypeScript, React, Mastra, Office.js) | disble.com/en/projects/stylistic
- AI-powered Word add-in (Mastra workflows, Gemini/GPT) that delivers style corrections as native Track Changes. Used to edit a book of more than 200 pages.

Autoreas Bridge × Mobile (Go, React Native, TypeScript) | disble.com/en/projects/autoreas-bridge-mobile
- Two apps that sync a catalog of more than 800 series over the local network.

ditto + dharness (Go, TypeScript) | disble.com/en/projects/ditto
- Tools to validate agent-generated code: mutation testing on new changes and a commit gate that blocks the commit when a check fails.

ELN Mastra Tools (Mastra, Ollama, ElectricSQL, Next.js, PostgreSQL) | github.com/Disble/template-monorepo-mastra-next
- Monorepo connecting local models to a Next.js dashboard synced in real time.

Web Stories Follow Up (Next.js, Prisma, PostgreSQL, Cron) | dashboard.ellectornovato.com
- Open-source dashboard for a writers' community: a daily cron detects new chapters and schedules their promotion. Led the volunteer team.

EDUCATION

Universidad Técnica del Norte, *Bachelor of Computer Systems Engineering* | December 2021

BIG school / Universidad Isabel I, *Master's in AI Development* | In progress

ADDITIONAL INFORMATION

Honors: 1st place in the 1st Internal Programming Contest at UTN: Web and mobile development category, contested in teams. (June 2018)

Programming: TypeScript, JavaScript, Go, PHP, SQL, HTML, CSS

Frontend: React, Next.js, React Native (CLI, Expo), Tailwind CSS, Sass, Redux, Zustand, React Hook Form, React Router, TipTap, React Flow, Vue, Electron, Wails, Office.js

Backend & data: Node.js, Bun, tRPC, REST, OAuth 2.0, PostgreSQL, SQLite, Prisma, Zod, ElectricSQL, cron jobs

AI: OpenAI API (ChatGPT), Gemini, Mastra, Ollama, MCP, prompt engineering, coding agents (Claude Code, OpenCode, Pi, Codex, others)

Architecture & practices: hexagonal, design patterns, BIAN, monorepos, agile methodologies (Kanban)

Quality & tooling: Vitest, mutation testing (Stryker), SonarQube, Git, GitHub, GitLab, Docker, Vercel, Turborepo, Figma

Integrations: Stripe, PayPal, Google Auth, Google Wallet, Apple Wallet, WordPress, WooCommerce

Languages: Spanish (native); English (intermediate: documentation and reports)