

Cristian Arrieta

Senior Software Engineer · Frontend-Heavy

darktowerdev@gmail.com · (+57) 319 662 9631 · darktowerdev.netlify.app · github.com/Darktowers · Bogotá, Colombia

PROFILE

Senior Software Engineer with 8+ years of experience specializing in frontend architecture, platform engineering, and mobile development. Expert in React, TypeScript, and Next.js, with full ownership of cloud infrastructure across AWS, Vercel, and GCP. Led the end-to-end modernization of a fintech platform — migrating a monorepo, rebuilding CI/CD pipelines, and architecting custom BFF services that unified fragmented APIs into a single reliable layer. Thrives in autonomous, async-first teams and has a track record of mentoring engineers and driving architectural decisions from concept to production.

TECHNICAL SKILLS

Frontend: React, TypeScript, Next.js, Tailwind CSS, Vite, React Native, Expo

Backend: Node.js, GraphQL, REST APIs, Serverless, Laravel

Cloud & Infra: AWS, SST / IaC, Vercel, GCP, Turborepo, Docker, CI/CD

Auth & Security: Auth0, MFA, JWT, OAuth 2.0

Testing: Jest, Vitest, Unit & Integration Testing, Cypress, Playwright

Tools: Git, GitHub Actions, Bitbucket Pipelines, Rollup, Webpack, Turborepo

EXPERIENCE

Senior Frontend Engineer & Platform Engineer

ZOE Financial

2023 – Present (2y+)

Bogotá, Colombia

Platform & Infrastructure

- ▶ Reduced infrastructure provisioning time by rebuilding the entire AWS setup as Infrastructure as Code using SST, making environments fully reproducible and auditable.
- ▶ Unified fragmented backend services by architecting a custom BFF layer with Next.js and Node.js, eliminating duplicated API logic across web and mobile clients.
- ▶ Improved platform reliability and reduced incident response time by introducing systematic monitoring, error budgeting, and proactive refactoring across all services.

Mobile & Product

- ▶ Delivered new features across the full React Native app lifecycle — from design review through CI/CD automation to App Store and Play Store releases.
- ▶ Increased account security by implementing custom MFA with Auth0, deploying a seamless multi-factor login flow across both web and mobile platforms.
- ▶ Cut mobile release cycle time by setting up automated CI/CD builds with Over-the-Air (OTA) update support, removing dependency on manual app store submissions.

Team & Leadership

- ▶ Accelerated onboarding of new frontend engineers by establishing code standards, architectural documentation, and structured mentoring programs.
- ▶ Drove core platform initiatives from architecture proposal through to production, operating autonomously within a distributed async-first team.

Frontend Developer

ZOE Financial

Jan 2021 – 2023 (2y)

Bogotá, Colombia

- Improved deployment reliability and developer experience by leading the full migration of all frontend applications to Vercel.
- Reduced build times significantly by migrating the monorepo from Lerna to Turborepo and modernizing all packages from Webpack to Rollup with full ESM support.
- Improved rendering performance by upgrading the core application to the latest React version, adopting concurrent rendering features throughout.
- Maintained a healthy, up-to-date codebase by implementing robust CI/CD pipelines and enforcing consistent dependency management across all packages.
- Shipped product features end-to-end in a fast-moving fintech environment, collaborating directly with design and product across the full development cycle.

Tech Lead & Backend Developer

MJV Innovation and Technology

Apr 2019 – Jan 2021 (1y 9m)

Bogotá, Colombia

- Led a cross-functional engineering team of 4+ developers — owning technical priorities, defining architecture, and establishing project boilerplates across multiple client engagements.
- Reduced API complexity and improved data access speed by designing and delivering GraphQL APIs on DynamoDB, backed by serverless Lambda functions on AWS.
- Delivered full-stack features with React, TypeScript, and SSR on the frontend, paired with Node.js services on the backend.

Backend Developer

Uberflug

Aug 2018 – Apr 2019 (8m)

Bogotá, Colombia

- Built and maintained REST APIs with Node.js and Laravel, managing AWS Elastic Beanstalk infrastructure and PostgreSQL databases supporting production traffic.

Earlier Experience

Full Stack Developer · Lookapp · Web Developer · 150porciento · Junior Frontend Developer · Bluecell

2016 – 2018 (2y)

EDUCATION

Software Engineering · UNINPAHU

2015 – 2017

Information Systems Management · SENA

2012 – 2014

LANGUAGES

Spanish — Native · English — Professional Working Proficiency (B2 · EF SET Certified)