

Software Developer with 8 years of web and 3 years of mobile development experience. Specialized in architecting systems with **Node.js** (+ **NestJS**) and **Python** (+ **FastAPI**) on **AWS**, complemented by expertise in **React** with **Next.js** and **React Native** with **Expo**. Skilled in using **AI coding agents** and integrating **LLM-powered features**

CAREER HISTORY (2018 - 2026)

Zoolatech

Mar 2025 to Present

AI Fullstack Developer (React, Python, NodeJS)

Contractor

- Architected a Python FastAPI RAG AI microservice on AWS ECS using ChatGPT API (OpenAI SDK), featuring a stateful conversation engine with persistent context & cached file attachments, delivered to a Next.js frontend
- Engineered a high-performance video streaming infrastructure implementing HLS adaptive encoding & bitrate streaming, along with rate-limiting protection and CDN layer caching to ensure fast delivery & 99.9% uptime
- Built a DevOps CI/CD testing & release pipeline, featuring blue-green deployments to AWS Elastic Compute Cloud on PM2 cluster mode with IPC event broadcasting, and test suites of regression-testing edge cases
- Introduced advanced security and validation protocols, including Unicode homograph attack prevention, Cloudflare Turnstile integration, and custom SHA-256 media obfuscation system to protect proprietary assets
- Setup Multi-layer (Module/Redis/CDN) caching & rate limiting strategy for React NextJS pages & NodeJS APIs
- Implemented an event-driven Redis Stream write-behind architecture for high-volume API mutations

Chaco24

Dic 2024 to Mar 2025

AI Fullstack Developer (React & NodeJS)

Fixed-term Contractor

- Delivered a comprehensive news website from scratch using Typescript Next.js + NodeJS PostgreSQL backend, implementing server-side authentication with encrypted cookies, media optimization, & vps hosting
- Developed a custom Content Management System featuring a Slate.js rich text editor with drag-and-drop images, multi-step article publishing workflow with progress tracking, hierarchical categorization system, Server Actions CRUD operations, image uploads with validation, slug generation, bulk content management
- Designed complex PostgreSQL schema with JSONB fields for flexible block-based content storage, bidirectional relationships for related articles, & cache revalidation controls with Incremental Static Regeneration (ISR)
- Created admin panel with editorial workflow system, real-time status management & quick CRUD operations
- Engineered client-facing news layout algorithm that dynamically arranges up to 18 articles across 5 sections using 6 different card components, prioritizes highlighted content placement, adapts card types responsively, includes search with stop words filtering, weather api integration widget, and mobile-first navigation

Svitla

Feb 2024 to Dic 2024

Hybrid React & React Native Developer

Fixed-term Contractor

- Worked on gigantic Dockerized legacy PHP Javascript codebases surgically addressing bugs and improvements
- Enhanced an existing React Native-to-Web bridge within a Hybrid Shell architecture for a massive design system rollout by optimizing the communication layer to synchronize theme tokens and navigation states, ensuring visual parity between the modern native shell and legacy web modules
- Implemented upgraded design system UI/UX components across hybrid views, focusing on accessibility (WCAG) and responsive performance
- Conducted rigorous code reviews and collaborated with cross-functional teams to streamline the integration of modern React components within legacy environments.

ZirconTech
Fullstack React NodeJS Developer

Mar 2022 to Dic 2023
Contractor

- Built Web3 TypeScript React Next.js frontends, integrating blockchain tooling (Ethers.js, RainbowKit, Wagmi) and using Tailwind CSS (UI), Zustand (state management), and TanStack Query (data fetching)
- Worked on NodeJS NestJS (+ Prisma + Docker) backend apps creating & enhancing a lot of CRUD endpoints while introducing features like file uploading, email & phone OTC signup + signin, & google sheets integration
- Debugged and fixed specific iOS & Android OS issues present in the web application using device emulators
- Applied E2E Automation Tests with Playwright & Cypress for many workflows along with Jest Unitary Tests
- Setup CI/CD project's pipelines using Github Actions, Vercel & AWS Amplify. Configured AWS Cognito & S3

LenioLabs
Fullstack React & React Native Developer

Mar 2020 to Mar 2022
Employee -> Contractor

- Worked on a React Native app for an american company using Expo API + Redux + RN Navigation + RN Async Storage + React Hook Forms + OneSignal Push Notifications + Realtime Avatar Customization + RN Charts with victory-native-xl library + reusable components following KISS & SOLID principles, while constantly interacting with team members from USA & India, in highly paced and agile scrum environments
- Was charged with the setting up and initial sole development of frontend React web applications
- Reviewed other seniors and tech leads code while suggesting improvements or detecting issues
- Used Amazon Web Services like Cognito for user auth, DynamoDB for data storage, AppSync for GraphQL schemas integration, Amazon NodeJS Lambda, S3 for object storage, Pinpoint for analytics

Globant
Fullstack Javascript Web Developer

Jun 2018 to Mar 2020
Employee

- Developed complex layouts & reusable React components applying knowledge of HTML5, CSS3, JS, Redux, Responsive Design, Accessibility, Testing, Google Services (Analytics, TagManager, Maps, etc)
- Worked on NodeJS MySQL backend apps with ExpressJS & Restify BFF microservices architecture

SELF-DEVELOPED PUBLISHED APPS WITH ACTIVE USERS

Mobile - React Native (iOS + Android) Development

- Misolfa: iOS & Android Expo Firebase RN App for Sheet Music training, available in 3 languages in both stores
misolfa.ios.gemanepa.dev | misolfa.android.gemanepa.dev
- TV Remote WiFi: Android Expo RN App that connects with Android TVs, Google TVs, & Chromecast devices
tvremote.android.gemanepa.dev

Mobile - Native iOS (Swift) Development

- Framingham CardioRisk: Apple App Store MVVM SwiftUI app that calculates cardiac risk in 3 languages
framingham.ios.gemanepa.dev

Mobile - Native Android Development

- Framingham CardioRisk: Java Android App available in 70+ countries and 12 langs with +7000 users
framingham.android.gemanepa.dev

EDUCATION

Associate Degree in Computer Science [Since 2025] - *National University of the Northeast (Argentina)*

Technical Degree in Web Development [Since 2025] - *National University of the Chilecito (Argentina)*

Diplomature in Android Applications [Finished] - *National Technological University (Argentina)*

Diplomature in Web Development [Finished] - *National Technological University (Argentina)*

LANGUAGES: English (C1 Advanced), Spanish (Native)