Ravy Rafael

Senior Software Engineer · Mobile

Belo Horizonte, Brazil · ravyrafael@gmail.com
ravyrafael.dev · linkedin.com/in/ravyrafael · github.com/ravyrafael

SUMMARY

Senior Software Engineer focused on mobile, building software professionally since 2016. I work across React Native, including the new architecture and native modules in Swift and Kotlin, web products with React and Next.js, and backends in C#, Node.js and Python. I led the delivery of three mobile apps and three web portals serving more than 100,000 monthly users, and I have finished first in Brazil in both the Reply Coding Challenge and the Reply Cyber Security Challenge, twice each.

SKILLS

Languages	TypeScript, JavaScript, Swift, Kotlin, C#, Python
Mobile	React Native (new architecture, Fabric), native modules, camera SDK integration, React Navigation, App Store and Google Play releases
Web and backend	React, Next.js, Redux, Node.js, ASP.NET / ASP.NET MVC, Entity Framework, FastAPI, Pydantic, SQLAlchemy, WebSockets, Firebase
AI	LLM integration, agent orchestration, document processing (PDF extraction, OCR)
Quality and delivery	Jest, Detox, Cypress, Azure Pipelines, CI/CD

EXPERIENCE

HOVER · Senior Software Engineer — Feb 2024 - Present

- Maintain and evolve the mobile app, contributing to camera SDK implementation and integration.
- Worked on the migration to React Native's new architecture, including Fabric, and the upgrade to React Navigation v6.
- Developed native integrations in Swift and Kotlin and device diagnostics to improve mobile app workflows.
- Introduced AI-assisted code review and release monitoring, reducing manual effort, expanding review coverage and improving assessment accuracy.

Chance Scout · Founding Engineer (Freelance) · chancescout.com — May 2025 - Mar 2026

- Built the mobile app independently, published on the App Store and Google Play, for a platform connecting youth football players with clubs and agents.
- Contributed to the web back office and the C# backend, and collaborated with two engineers on FFmpeg video editing and play identification, supporting video submission, play classification and player ratings.

Cyrela · Tech Lead, React / React Native — Sep 2021 - Feb 2024

- Architected and led the delivery of three React Native apps and three Next.js portals for a post-sales platform serving more than 100,000 monthly users across the company's brands.
- Built a frontend foundation with TypeScript, Redux and Context API, and integrated analytics to inform product and UX improvements.
- Established unit and end-to-end testing with Jest, Detox and Cypress, and managed App Store and Google Play releases.
- Mentored more than five engineers and partnered with product and design on planning and delivery.

Reply · Software Development Analyst — Jul 2019 - Oct 2021

- Led development of an internal social and rewards platform for Stellantis using React Native, Node.js, Stripe and WebSockets, supporting employee engagement and automating bonus distribution.
- Delivered web and mobile features backed by C# services and real-time industrial data integrations.
- Introduced automated tests and CI/CD practices, mentored junior engineers and led code reviews.

Meta3 · Software Development Analyst — Sep 2018 - Jul 2019

- Delivered a fleet inventory system spanning a React Native app, a React web back office and a C# / ASP.NET REST API, contributing to an approximately 35% reduction in inventory costs.
- Implemented Azure Pipelines CI/CD and automated tests for applications deployed to Azure.

TOTVS — Mar 2017 - Sep 2018

- Built an internal CI/CD platform integrated with Jira to automate code management, compilation and installer packaging, reducing the end-to-end bug-fix cycle by 89%.
- Developed internal workflow tools with C#, ASP.NET MVC and Entity Framework.

Unisys — 2016

- First programming role, working on backups and the maintenance of internal systems.

BEFORE PROGRAMMING

Prefeitura de Contagem · Computer maintenance — From 2013

First job · Telephone bill auditing — 2011

- Automated the checking of telephone bills with Visual Basic, extracting and calculating data from PDF bills. A month of manual work came down to a few minutes.

ACHIEVEMENTS

Reply Coding Challenge · #1 in Brazil and top 10 worldwide — Two editions

Reply Cyber Security Challenge · #1 in Brazil and top 5 worldwide — Two editions

BairesDev Challenge · Top 10 — 2021

SIDE PROJECTS

ImplementPrev · Initial architecture and ongoing development support · implementprev.com.br — 2025 - 2026

- Established the initial application architecture with Next.js, TypeScript and a Python/FastAPI backend, and continue to support development of AI-assisted document analysis and legal workflows for Brazilian social-security cases.
- Contribute to custom Python agent orchestration, validation and auditing for document analysis, case assessment and petition drafting, with Pydantic, SQLAlchemy, Alembic, PDF extraction and OCR, and LLM clients including Anthropic and OpenRouter.

Up Delivery · Concept and complete implementation · updelivery.pro — 2025 - 2026

- Conceived and independently built a store analysis platform for two delivery consultants, with a Next.js/React frontend and a Python backend.
- Combines publicly available iFood storefront data, delivery fees and opening hours with AI to generate its own store score and detailed reports on visibility and performance opportunities.

Lendas · draft-lendas-br.vercel.app
Football draft and tournament game to play with friends, inspired by Brasfoot and the World Cup, with seeded drafts and online rooms. React, TypeScript, Vite, Tailwind, Firebase.

Hub Party Games · hub-party-games.vercel.app
Party games for one shared phone or online rooms, with offline play and PWA support. React, TypeScript, Vite, Tailwind, Firebase.

EDUCATION

Faculdade Pitágoras · Information Systems — 2016 - 2019

PUC Minas · Information Systems — 2013 - 2015

LANGUAGES

Portuguese: native
English: B2-C1