

Jack Miro

Senior Frontend & Mobile Developer

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SUMMARY

Senior frontend and mobile developer with 6+ years of experience shipping React and React Native applications for Vodafone, Deloitte, and Tellspec — including campaign apps that reached hundreds of thousands of users. Comfortable across the full stack (Node.js, Python/FastAPI) and hands-on with AI-powered products, from multi-agent LLM systems to BLE-connected food-scanning apps. Known for pixel-perfect UI, legacy migrations, and taking products from zero to production.

SKILLS

Frontend	React, Next.js, TypeScript, JavaScript, Redux / Redux Toolkit, Tailwind CSS, SASS, HTML/CSS
Mobile	React Native, Expo, Ionic + Capacitor, BLE integrations, native Android (Java), iOS & Android testing
Backend	Node.js, Express, Python, FastAPI, PostgreSQL + pgvector, Firebase, MongoDB, GraphQL, WebSockets
AI & Tooling	LLM agent orchestration (Gemini, Claude, OpenAI), Docker, AWS SQS, GitHub Actions CI/CD, Figma, GitLab, Jira

EXPERIENCE

Senior Frontend / Mobile Developer • Tellspec

May 2024 – Present • Portugal

- Own frontend and mobile development across Tellspec's product suite: a React Native food-scanning app (Specdata), web platforms for neonatal milk analysis, and a hybrid human-milk-banking app.
- Built FishTell from scratch under the EU TITAN grant: an Expo React Native app connected to a custom sensor for fish-freshness analysis, plus its public website in Next.js.
- Built the MyNutri EU-grant nutrition app from scratch with React Native, Expo, and NativeWind — barcode scanning, real-time Socket.io data, and personalized nutrition profiles — along with its Next.js website.
- Delivered most of Tellspec's websites with Next.js, and extended the custom Tellspec SDK with native Android (Java) code for BLE spectroscopy sensor connectivity, pairing, and calibration.
- Delivered clinical data-visualization dashboards (Plotly.js, ApexCharts, Victory) and PDF reporting used by hospitals and milk banks.

- React Native
- Expo
- Next.js
- TypeScript
- Redux
- Realm
- Java / BLE
- Ionic + Capacitor
- Socket.io

Lead Frontend Developer · Deloitte

Aug 2022 – May 2024 · Portugal

- Led frontend development of a new UI/UX for the Ok Seguros home and automobile insurance simulator, improving the online customer experience.
- Implemented highly custom, pixel-perfect interfaces with vanilla JavaScript and CSS inside the OutSystems low-code environment — no external UI libraries.

OutSystems

JavaScript

CSS

HTML

Software Developer · Vodafone / Celfocus

Jul 2021 – Aug 2022 · Portugal

- Developed Vodafone's Friends Day and Christmas Campaign mobile apps, engaging hundreds of thousands of users across Android and iOS.
- Managed the frontend migration from ExtJS to React within a microservices architecture, and built backend internal API features with Spring Boot and Java.
- Collaborated with designers in Figma and coordinated delivery through GitLab and Jira.

React

React Native

TypeScript

Spring Boot

Java

Microservices

Software Developer · IMAGIN'Us

Jan 2020 – Jul 2021 · Portugal

- Single-handedly built "U-ride", a full-stack React platform for scheduling and collecting feedback on car test drives for major French car brands.
- Implemented Firebase multi-tenant services, a Node.js/Express backend with GraphQL, and an admin analytics dashboard — significantly increasing daily test drives and feedback submissions.

React

Redux

Firebase

Node.js

Express

GraphQL

Material-UI

SELECTED PROJECT

Amazon PPC Tactical Agents · Personal Project

Dec 2025 – Present

- Built an AI backend that optimizes Amazon PPC campaigns with five specialized LLM agents orchestrated via finite-state machines (Google Gemini), validated in a 14-day shadow mode before live execution.
- Built the client-facing dashboard and the company website (mirox.pt) with Next.js.
- Solved Amazon's 14-day attribution lag by forecasting conversion probability; implemented multi-tenant isolation with JWT scoping, pgvector semantic keyword analysis, real-time WebSocket log streaming, and CI/CD auto-deploy.

Python

FastAPI

Next.js

PostgreSQL

pgvector

Docker

Gemini AI

AWS SQS

EDUCATION

Academia de Código

Code Cadet, Computer Software Engineering · 2019

Instituto Superior de Engenharia de Coimbra

Electronics and Automation · 2014 – 2017

LANGUAGES

English — Full professional

Portuguese — Native / bilingual

Russian — Professional working

Uzbek — Full professional

French — Limited working