Ricardo Morim

Esposende, Portugal

ricardomorim05@gmail.com | +351 968 499 900 | github.com/RicardoMorim | linkedin.com/in/ricardo-morim-208368251/

SKILLS

Programming: TypeScript, Python, Java | **Frameworks:** Next.js, Node.js, React.js, Spring Boot | **Databases: Postgre**SQL, MongoDB, H2, PL/SQL | **Tools:** Git, Linux, Jira, Docker | **Languages:** Portuguese (Native), English (Fluent)

WORK EXPERIENCE

INESC TEC – Software Engineering Internship   07/2025 – 08/2025

- Contributing to the development of **ARNavAI,** a mobile AR system for indoor navigation.
- Supporting AR visual overlays, voice guidance, and AI-driven assistant features.
- Participating in Agile development cycles and researching mobile AR tooling.
- Collaboration with researchers to design scalable indoor mapping logic.
- Tech (expected): Unity, AR Foundation, Firebase

MATCH DINNER MONDAYS – Freelance Full Stack Developer   10/2024 – 11/2024

- Developed and deployed a dating platform, leading to visibly higher user activity and messaging frequency within days of launch
- Optimized Firebase queries and structure to improve load times and reduce costs, enhancing the platform's performance.
- Added web manifest and robots.txt to support PWA functionality and crawler guidance; integrated keyword strategy through titles, headings and metadata, improving site crawlability and discoverability.
- Collaborated with the client to define specifications, cutting back-and-forth iterations and accelerating project delivery.
- Tech: React, Node, Firebase.

PROJECTS

MODULAR AUTH LIBRARY – Spring Boot, JWT, PostgreSQL

- Developed a reusable authentication library enabling rapid integration into any Spring Boot application.
- Implemented flexible architecture using polymorphism, supporting default or customized implementation.
- Provides JWT authentication, role-based access control and password hashing.
- Designed with dependency injection and conditional beans for zero-configuration setup.

STOCK INFORMATION PLATFORM - Next, Node, MongoDB, Tailwind CSS

- Implemented a real time-stock tracking system achieving high data accuracy for thousands of stocks worldwide.
- Reduced external API calls by optimizing calls based on stock symbol, API availability and caching data.
- Used Redis caching system to accelerate lookups and reduce external API usage.

RESUME BUILDER - Next with TypeScript, Node, MongoDB, Tailwind CSS, LLM APIs

- Designed a responsive tool that assists users in tailoring resumes to specific job requirements.
- Engineered prompts to control AI outputs to a specific format more accurately and reducing the usage of tokens.

PORTFOLIO - Next with TypeScript, Tailwind CSS

- Created an interactive online portfolio showcasing 5 full-stack projects with real user value.

EDUCATION

INSTITUTO SUPERIOR DE ENGENHARIA DO PORTO   09/2023 – 07/2026

BSc in Software Engineering

ONLINE COURSES

CS50X (Harvard), CS50AI, React + Firebase (Udemy), React (HKU), Deep RL (Hugging Face, ongoing)