

Ruben Rodrigues

Software Developer

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Work Experience



Full-Stack Developer

ProductDock | Remote, Lisbon | Feb. 2023 - Present

- Diagnosed and fixed a blocking operation during user onboarding by offloading it to a worker thread, reducing memory usage by ~90%
- Implemented a multi-tenancy architecture serving isolated banks via dedicated databases and separated connections
- Contributed to a broader architectural refactor — splitting a monolithic service into four independently-scalable microservices with queue-based message processing (Bull/Valkey) — resolving CPU saturation under multi-tenant load and eliminating data loss on client disconnections
- Designed and built a Role-Based Access Control (RBAC) system across the platform
- Built a library of custom Node-RED nodes mapping to reusable React components, letting non-developers compose chatbot interfaces
- Designed a Node-RED configuration layer for reusable variables and per-tenant white-labeling, removing repetitive per-node setup
- Refactored core React components to remove legacy behaviors and unused variables, reducing maintenance overhead
- Added tenant-management tooling to an internal Angular dashboard, simplifying day-to-day tenant administration

Tech: NestJs, ArangoDB, Angular 14, ReactJs, Node-RED, JS, TS, HTML, CSS, Jest, Redis



Full-Stack Developer

HumanIT | Remote, Lisbon | Sep. 2021 - Feb. 2023

- Worked in a Scrum team of four developers, a product owner, and a scrum master
- Contributed to migrating a document management system (NestJs) from GCP bucket storage to an external service (CenterDevice)
- Built an Angular web app for managing Anti-Money Laundering (AML) documentation
- Designed and built a NestJS Identity and Access Management (IAM) microservice integrated with Azure AD B2C for authentication and authorization
- Expanded unit test coverage, improving code quality and reducing regressions

Tech: NestJs, Angular 12, HTML, CSS, Jest, GCP, Azure AD B2C

Work Experience (cont.)



Full-Stack Developer

ITC Parts | Lisbon | Sep. 2019 - Jul. 2021

- Migrated the web application from AngularJS to Angular 8
- Upgraded the server to a newer Node.js version, adopting TypeScript on the existing Hapi framework, while contributing to re- architecting the monolith into microservices
- Built an Angular 8 single-page application for live video calls, including device controls (zoom, flashlight)
- Built a Python script to extract structured data from PDFs for the analytics team
- Built PDF upload and retrieval backed by GCP Cloud Storage
- Maintained and supported web (AngularJS) and desktop (Electron) applications for insurance clients
- Partnered with DevOps to deploy and maintain applications on Google Cloud Platform (GCP)

Tech: Node.js (Hapi), CouchDB, Redis, GCP, AngularJs, Angular 8+, SemanticUI, HTML, CSS



Junior Front-End Developer (Training)

Alter Solutions | Lisbon | Jan. 2019 - Aug. 2019

- Built an internal web app for HR to manage employee training and development
- Worked with two backend developers (Java) and two Angular 7 frontend developers to ship the system

Tech: Angular 7, Angular Material, Flex-Layout, HTML, CSS

Soft Skills

- Teamwork
- Communication
- Curiosity
- Ambitious
- Proactive
- Problem Solving

Technical Skills

- JavaScript
- TypeScript
- Node.js
- Angular 7+
- React 16+ Jest
- PostgreSQL
- Prisma
- Redis
- Node-RED
- Tailwind CSS
- CouchDB

Languages

- Portuguese (Native)
- English (Professional)