

# Rafael Monteiro

Porto, Portugal

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## Personal Profile

I am a responsible and punctual Junior Software Engineer, seeking growth and development in a dynamic company. I value teamwork and set high standards for myself and others. With a strong desire to learn and overcome challenges, I am confident in my ability to excel as a valuable contributor and a successful future professional in the Technology field.

## Education

### Polytechnic Institute of Viana do Castelo

Computer Engineering

Viana do Castelo, Portugal

Sept 2020 - Jul 2024

## Work Experience

### CITIN

Student

Viana do Castelo, Portugal

Feb 2024 - Jul 2024

- Collaborated with a two-person team to develop an application that allowed users to retrieve specific information from invoices to a json format.
- Automated and optimised the process of extracting information to further use it in other tasks.
- **Technical Skills:** Python, Pytesseract, Langchain, Streamlit, Docker, Cv2 and Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

## University Projects

### SpringBoot Web API and App

- Developed an app and a website. For the website, created a web API for the backend using SpringBoot, and a frontend using React. Data was stored in a local PostgreSQL database. The app was developed using Java and SceneBuilder for the UI.
- Languages and tools used: Java, SpringBoot, PostgreSQL, SceneBuilder, and React.

### Systems Integration

- Converted CSV to XML and imported it into PostgreSQL using Python.
- Watcher detected new XML files and imported them using Golang.
- RabbitMQ sent tasks for new entities and locations using Golang.
- Migrator stored data in PostgreSQL using Golang.
- GIS Updater(GET) to external API Nominatim, updating(PATCH) locations in Flask using Python.
- Server (gRPC) performed XPath queries, and a REST API (Flask and GraphQL) was created using Python and NestJS.
- Developed React frontends for all APIs, with Leaflet.js for the Locations API.
- Languages and tools used: Python, Golang, PostgreSQL, NestJS, Prisma, Flask, GraphQL, gRPC, RabbitMQ, Docker, React, and Leaflet.js.

### .NET REST API

- Developed a REST API for the backend and stored data in a local database using SQLite.
- Created a frontend using Blazor.
- Languages and tools used: C, .NET Core 7, Entity Framework, SQLite, and Blazor.

### Web Scraper

- Developed an application to scrape LinkedIn profiles to analyze market demands and trends.
- Languages and tools used: Python, Docker, and Kibana.

## Skills

**Programming** Python, Java, C, HTML, CSS, SQL, CS, Golang, Javascript, React.

**Miscellaneous** Shell (Bash), LaTeX (Overleaf), Trello, Git.

**Soft Skills** Teamwork, Initiative, Decision-making, Critical thinking, Adaptability, Problem-solving

## Languages

**English** Professional proficiency

**Portuguese** Native proficiency