Vítor Hugo Inácio Mina

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Personal Profile

I am a software engineer graduate and I'm looking to introduce myself in the industry. I am someone who likes to learn, a fast learner and I often watch youtube videos, read documentation and build projects to gain some experience.

Education

Polytechnic Institute of Viana do Castelo   *Sep 2021 to Jul 2024*
Computer Engineering

Experience

Curricular Internship   *Oct 2023 to Feb 2024*
ProActive Solutions Portugal

- Developed a web solution for file management for companies, featuring functionalities for file upload, categorization, and sharing.
- Languages and tools used: Grails, Angular, MariaDB.

Projects

Systems Integration

- Developed an ETL pipeline to extract data from CSV, transform it into XML, and load it into PostgreSQL using Python.
- Implemented a file watcher, task queuing with RabbitMQ using Golang
- Also developed API's in Flask and NestJS and integrated an external API.
- Integrated gRPC for XPath queries and React frontends with Leaflet.js for location data visualization.
- Languages and tools used: Python, Golang, PostgreSQL, NestJS, Prisma, Flask, GraphQL, gRPC, RabbitMQ, Docker, React, and Leaflet.js.

Pet Clinic Management System - Spring Microservices

- Developed a Pet Clinic Management System With Spring Boot microservices architecture, implementing secure authentication via Keycloak and JWT.
- Integrated databases, Kafka, Keycloak, and monitoring tools like Prometheus and Grafana for a robust and scalable environment.
- Language and Tools Used: Java, Spring Boot, MySQL, Kafka, Keycloak, Docker, Resillence4j, MongoDB, Grafana, Prometheus.

TaskMaster — Mobile Application for Project Management

- Developed a mobile project management app in Android Studio, with Prisma-based API, PostgreSQL, and JWT authentication hosted on Vercel.
- Utilized Retrofit for secure, real-time data synchronization between the app and API.
- Language and Tools Used: Kotlin, Javascript, Prisma, PostgreSQL.

Technologies

Languages: Java, Python, HTML, CSS, SQL, NoSQL, Javascript, TypeScript, Kotlin, C

Technologies: Spring Boot, Microsoft SQL Server, Docker, RabbitMQ, Kafka