

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, Resilience4j, 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