

AHMED BEN ROMDHANE

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PROFESSIONAL EXPERIENCE

SofiaTech, Tunis, Tunisia

01/2023 - 08/2023

End of studies internship - Development of a project management application

- Implemented backend functionalities using **Node.js**, **Express.js**, and **MySQL (Sequelize)**, resulting in a 30% improvement in data processing speed.
- Developed the frontend using **Angular**, creating a responsive and user-friendly interface.
- Set up a **CI/CD pipeline** with **GitLab**, reducing deployment time by **50%**.
- Provided a dashboard with KPI charts and other useful information, improving decision-making speed by **40%**.
- Integrated **Socket.io** for real-time chat functionality, enabling instant communication between users and enhancing collaboration.

SofiaTech, Tunis, Tunisia

06/2022 - 08/2022

Summer internship - Optimization of a skill tracking application

- Fixing backend related bugs in the application.
- Collaboration with the project manager to optimize the **UI** of the application.
- Implemented a feature that automates the insertion of employee data for HR managers, significantly **reducing data entry time by 90%** and improving accuracy.
- Containerization of the development environment using **Docker**.

Personal Projects

Transcription application

- I developed a YouTube video transcription application using a combination of **Django**, the **Assembly AI API** and **Angular**. This application allows accurate and fast conversion of audio content from YouTube videos to text with **95% accuracy**.

CV parser

- I created a CV analysis and job matching application. Users upload CVs through a **React** interface. A **Node.js** server manages downloads and sends messages to **RabbitMQ** for asynchronous processing. A **Flask** server processes these messages, extracts text, applies **NLP** techniques achieving around **80% accuracy rate in text extraction**, and uses algorithms to match resumes to job postings.

Client registration microservice

- I created a customer registration notification microservice with **Spring Boot** using **Eureka** for service discovery, **RabbitMQ** for queues, and **Zipkin** and **Sleuth** for trace tracking. Also, I **Dockerized** the microservice for efficient deployment, then used **Kubernetes** to orchestrate and manage the containers.

Education

Private Higher School of Engineering and Technology, Tunis, Tunisia

2020 - 2023

Preparatory Institute for Engineering Studies of Nabeul, Nabeul, Tunisia

2017 - 2020

SKILLS & OTHER

Programming languages: Javascript, Typescript, Java, Python, C, PHP, SQL, C#

Frameworks: Node, Express, Angular, React, Django, SpringBoot, Flask, Symfony, .NET

Libraries: Socket.io, RxJS, NgRx, Redux

Technologies: Docker, Kubernetes, CI/CD pipeline, RabbitMQ

Languages: English(B2), French(B2)