

Welhazi Ahmed Amine

SOFTWARE ENGINEER

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LinkedIn : [Ahmed Welhazi | LinkedIn](#) **GitHub :** [Ahmedr8 \(Ahmed Amine Welhazi\) \(github.com\)](#).

Experience

Software Engineer Part Time

AETOS

mars 2024 - current
(Angular / Django / Docker)

- Enhance data table structures to streamline information retrieval processes, resulting in a 30% reduction in time spent on data analysis and improved accuracy of visualization outputs for stock distribution.
- Optimize the balancing algorithm using my problem-solving skills.
- Deploy the application on an **IIS server**.
- Implement **socket** communication between the server and client.

Stock Optimization Application Internship

AETOS

June 2023 - August 2023
(Angular / Django / Docker)

Designed and developed a solution for stock balancing through transfers.

- Enhance the import process by 50%, making data management faster.
- Implement an inter-establishment balancing algorithm to optimize stock distribution among different entities.
- Perform unit testing with **JUnit** to ensure code reliability.

Incident and Archive Management Application Internship

STEG

Feb 2022 - Sept 2022
(React / NodeJS)

Designed and developed an incident and archive management application for the Tunis region control system.

- Reduce detailed report creation time to 30 seconds.
- Imported large amounts of **CSV** data in a very short time.
- Improve curve accuracy by 10%.

Projects

Mini Compiler

- Create a simplified compiler.
- Integrate the **GPT-2 API** to automatically identify and correct certain code errors.

E-Commerce Platform

- Integrated a **pre-trained model** to automatically detect objects in images.
- Automatically labeled prices on objects to enhance user experience.
- Integrate the **Google Maps API** to help customers find the nearest store with directions and estimated walking or driving time.

MapMinds Web Application

- Development of an **expert system** with over 20 rules to refine recommendations.
- Design interfaces with animations created using the **Framer Motion** library.
- Deploy the application on **Render** (cloud hosting provider).
- Automation parallel testing with the **Selenium** library, improving test coverage and process efficiency.

Link: [MapMinds](#)

Parental Control Android Application

- Limit YouTube access according to settings configured by parents.
- Authentication via **Firebase** to detect whether the user is a parent or a child.
- Adding a background service that functions even when the application is closed.

Odoo School Management Module

- Managed student, class, and staff registrations.
- Data access rights management for secure control of sensitive information.

Education

Higher Institute of Computer Science / Bachelor's Degree in Computer Science

2019 - 2022, Ariana

Higher Institute of Computer Science / Engineering Degree in Software Development

2022 - 2025, Ariana

Skills

Databases:

- MySQL / SQL Server / PostgreSQL / MongoDB

Frameworks:

- Node Js / Express Js / React /Django / Angular

Languages:

- Java / JavaScript / TypeScript / Python

Tools:

- Git / Docker / Jira (project management)

Skills: Domain-driven design, Event-driven design, Clean architecture, Microservices, UML / BPMN

Certifications

-[Dynamics 365 Fundamentals \(CRM\)](#)

-[Azure Data Fundamentals](#)

- [Excel Associate \(Office 2019\)](#)