

# Ahmed Aziz DAOUD

## Computer Science Engineering Student

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### Summary

Computer Science Engineering student with practical experience in software development and project management. Skilled in Java and Angular, with a strong focus on building dynamic, responsive software solutions. Seeking an end-of-studies internship in full-stack development to deepen the expertise and advance toward a career as a software engineer.

### Skills

Programming Languages: Java, Python, SQL, C#, TypeScript, JavaScript and PHP.

Frameworks: Quarkus, Angular, Java EE, .NET, Django, Symphony | Tools: Git, Docker, Kafka, PyQt, VTK.

Database Management: PostgreSQL, MySQL, MongoDB and Firebase.

Software Development: Algorithms & Complexity, Database Design, OS Architectures, Microservices, Domain-Driven Design (DDD), RESTful APIs.

### Professional Experience

#### Lodz University of Technology

Łódź, Poland

##### Software Engineering Intern

July 2024 – August 2024

- Developed a data visualization application for tomographic analysis, enabling improved diagnosis using Python, VTK, and PyQt.
- Pioneered solutions in mesh rendering, reducing diagnostic processing time by 20%.

#### KPMG Tunisia

Tunis, Tunisia

##### IT Intern

July 2023 – August 2023

- Engineered an invoice management application prototype, reducing processing time with optimized workflows.
- Analyzed client requirements and audited IT systems, identifying 8+ efficiency improvements in system controls.
- Analyzed client needs and designed software solutions to streamline internal processes.

### Projects

#### Communication Platform as a Service (CPaaS)

2024

- Established a communication platform for emailing and messaging using a microservices architecture and Domain-Driven Design (DDD) principles.
- Implemented features like dynamic email templates, contact management, and asynchronous message communication.
- Reduced communication errors by 30% and accelerated delivery speed.

Technologies: Java, Quarkus, Docker, PostgreSQL, Kafka, REST API, Renarde, Git

#### Car Selling Website (Front-end)

2024

- Developed a reactive car sales front-end with Angular, enabling efficient browsing and detailed ad views.

Technologies: Angular, TypeScript

#### Project Management Application

2024

- Built a project management tool using .NET and C# with resource allocation and temporal constraint management.
- Reduced project durations by 20% through optimized scheduling.

Technologies: .NET Framework, C#, Git

#### Trading Simulation Application

2023

- Engineered an automated stock trading simulator in C++ for real-time simulations.
- Integrated advanced financial models, improving trade execution efficiency and enhancing the accuracy of simulated results by 20%.

Technologies: C++

#### Task Management System

2023

- Architected and enhanced a JEE-based project management application to aid in task organization and tracking.

Technologies: Java JEE, MySQL, Wildfly application server

#### Blog Website

2023

- Built a blog platform, including user authentication, content management, and contact forms, enhancing user engagement by 40%.

Technologies: Symfony, PHP, Apache, MySQL.

### Education

#### National Engineering School of Tunis (ENIT)

Tunis, Tunisia

Computer Science Engineering | Top 5% of Class | Current GPA : 3.3/4.0

September 2022 - Now

#### Preparatory Institute for Engineering Studies El Manar

Tunis, Tunisia

Preparatory Diploma for Engineering Studies | Rank : 64/840 in entrance exam to engineering schools

September 2020 - June 2022

### Volunteer Experience

Head of Competitive Programming Department - Google Developer Student Club (GDSC)

May 2023 – Present

- Organized programming contests, created challenges, and mentored peers to advance algorithmic skills.

Senior Member & Workshop Facilitator G2FOSS (General and Geographic Free Open Source Software Club)

November 2022 – June 2024

### Languages

- Arabic : Native
- French : Professional Proficient (B2)
- English : Professional Proficient (B2)
- German : Beginner (A2)