Iyed Omri

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⦿ Github Profile

🔗 My Portfolio

Professional Experience

01/2025 – 05/2025 Tunis, Tunisia	**Full-Stack Development & Quality Management Systems (QMS)**

Esprit - CoConsult ⬀

– Contributed to the development of a **Quality Management System (QMS)** aligned with **ISO 9001 standards**, aimed at automating repetitive tasks, improving productivity, and facilitating ISO 9001 certification.

– Designed and implemented the complete web application using **Spring Boot 3.x** (backend), **Angular 16** (frontend), **PostgreSQL** (database), and **Spring Security** (authentication and access control).

– Acted as **Scrum Master** during the second sprint, ensuring timely delivery, task coordination, and adherence to agile best practices (Scrum methodology).

– Developed core **business logic functionalities** (CRUD and advanced features) on both the backend and frontend, in direct alignment with real-world user needs and ISO 9001 requirements.

– Integrated **AI-powered components**, including: • **Chatbots** to assist both users and administrators with intelligent guidance throughout the quality process. • **Online course recommendation system**, tailored to individual user profiles and training needs. • **Non-conformity prediction model** to anticipate quality issues and suggest corrective actions. – Collaborated across functional teams to ensure alignment between business objectives and technical solutions, while maintaining scalability, security, and a strong user experience.

– Participated in sprint planning, team meetings, code reviews, and the creation of **technical documentation** consistent with ISO 9001 quality standards.

Keywords: Spring Boot 3.x, Angular 16, PostgreSQL, Spring Security, Scrum, ISO 9001, QMS, AI, chatbot, smart recommendations, non-conformities, full-stack development, quality certification, agile methodology

07/2024 – 09/2024 Tunis, Tunisia	**Software Engineering Intern**

Société Monétique-Tunisie

– Contributed to the end-to-end development of a purchase management application using Angular (front-end), Spring Boot (back-end), and MySQL.

– Implemented a modular MVC architecture ensuring a clear separation of concerns and scalability of the project.

– Designed and developed the service, controller, and model layers using Spring Boot; utilized JPA for entity mapping.

– Built dynamic and responsive user interfaces with Angular; implemented two-way data binding for enhanced interactivity.

– Managed and optimized the relational database with MySQL via MySQL Workbench, ensuring data integrity through advanced relationship configurations.

– Performed functional testing with Postman and unit testing with JUnit and Mockito to ensure the robustness of REST APIs.

– Authored comprehensive technical documentation including system architecture, use cases, and API request examples.

– Resolved complex technical issues including exception handling, SQL query optimization, front-end/back-end integration, and performance tuning.

Keywords: Angular, Spring Boot, Java, JPA, MySQL, Postman, MVC, REST API, full-stack development, software architecture

07/2021 – 09/2021 Tunis, Tunisia	**Research And Development Intern** *Enda inter-arabe* ⊠ – Contributed to impact studies and field research aimed at evaluating projects focused on financial inclusion, social entrepreneurship, and community development. – Analyzed quantitative and qualitative data to generate high-value strategic recommendations. – Advanced use of Microsoft Excel for data processing, statistical analysis, and visual representation of complex datasets. – Drafted clear, actionable synthesis reports for senior management to support informed decision-making. – Participated in the development of internal digital tools to improve the collection, analysis, and utilization of field data. – Collaborated with the strategic marketing team to identify target segments, refine messaging, and adjust outreach campaigns based on data insights. – Contributed to comparative analyses to assess the effectiveness of marketing efforts related to social projects. – Strengthened analytical, statistical, marketing, and data storytelling skills. – Gained in-depth understanding of the critical role data and research play in designing high-impact strategies. **Keywords:** Statistical analysis, Microsoft Excel, strategic marketing, data visualization, financial inclusion, social impact, field research, data storytelling, segmentation, data-driven strategy

Skills and Intersts

Programming Languages
Java, C/C++ , PHP , TypeScript.

Frameworks and Technologies:
Angular, Spring, Spring Boot, Spring Security, DTO, TailwindCSS,Bootstrap, Postman APIs, Swagger / Swagger UI.

Database Management Systems:
SQL Server, MySQL, PostgreSQL.

Operating Systems:
Windows, Ubuntu

Version Control:
 Git, GitHub

Non-Technical Skills:
 Problem Solving, Presentation, Adaptability

Education

|	
2023 – present Tunis, Tunisia	**Engineer's Degree** *Esprit* Ecole Supérieure Privée d'Ingénierie et de Technologies • **Progressing to the final year of my Engineer's Degree**
2020 – 2023 Sousse, Tunisia	**Bachelor's Degree in Management with a specialization in Marketing** *IHEC Sousse* ⊠ Institut des Hautes Etudes Commerciales de Sousse

Certificates

Fundamentals of Deep Learning ⊠
Issued by NVIDIA