Mohamed Amine Boughrara

– Tunis, Tunisia

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Professional Experience

INSET - Private Training Center   Tunisia
Software Development Trainer   *February 2024–Present*

○ Trained students in object-oriented programming principles using Java, C, and C++.
○ Taught web development technologies, focusing on Spring Boot and Angular frameworks, as well as various development layers including MVC, data layer, security layer, etc.
○ Mentored and assisted students in their final year projects.

IT Support Centre   Tunisia
Software Engineer   *December 2023–March 2024*

○ Developed a user management module using Spring Boot, Keycloak, and NgRx design pattern in the frontend, including role and group management.
○ Contributed to the creation of several WordPress sites for various events as well as e-commerce sites, ensuring both attractive design and optimal user experience.
○ Participated in the implementation of an ERP with Odoo, collaborating with different functional teams to customize and optimize workflows, thereby contributing to operational efficiency of the company.

One Gate Africa   Tunisia
Software Engineer   *January 2023–September 2023*

○ Designed, developed, and deployed an ERP in microservices architecture, utilizing Axon for CQRS design pattern, Keycloak with PhaseTwo plugin for security, and Kafka for inter-component communication. Wrote unit tests, used Eureka for server discovery, and containerized components with Docker. Configured Jenkins for task automation. Technologies: Spring Boot, AxonIQ, PhaseTwo, Keycloak, Kafka, Angular, Docker, JUnit, PostgreSQL.

MSK Technology   Tunisia
Software Engineering Intern   *July 2022–September 2022*

○ Created the Guido website for a training center with API development (Node.js, Express.js, MongoDB), deployment on Heroku, code revision via GitHub, and containerization with Docker. Used React.js for the user interface.

ICONE   Tunisia
Company Immersion Internship   *July 2021–September 2021*

○ Initiated the database and backend architecture of the project, including database structure development, API development with MySQL and Spring Boot, integration of AngularJS for the user interface, as well as configuration and deployment of various technical components of the module in Docker containers.

Projects

DevOps Project at ESPRIT (5th year)
Jenkins, Docker, Git, Nexus, JUnit, Sonar, Prometheus, and Grafana

○ Managed and implemented multiple essential DevOps tools, including Jenkins, Docker, Git, Nexus, JUnit, Sonar, Prometheus, and Grafana. Worked in various environments including AWS, virtual machines, and Git Bash.

Spring Angular Development Project at ESPRIT (4th year)
Spring Boot, Angular jQuery, Bootstrap

○ Developed a internship service management application using Spring Boot backend and Angular frontend architecture. Effectively used tools such as IntelliJ, Visual Studio Code, MySQL, and GitHub.

IoT Project at ESPRIT (4th year)
Node JS, AngularJS, Node-Red, MongoDB, Raspberry-pi, HTML5, ESP32, CSS3, MQTT

- ○ Developed a complete system to be implemented in a restaurant within a team, creating a web application with Angular for frontend and ExpressJs for Backend to manage online orders and product management. Used robots for distribution.

C Development Project at ESPRIT (3rd year)

Glade, C, Linux

- ○ Independently designed and developed a desktop application using Linux, GitHub, and Glade for optimal functionality.

Training

Google Project Management	*Ongoing*
Oracle Professional Java SE 11 Programmer OCP Training	*2023*
Implementing DDD, CQRS and Event Sourcing with Axon Training	*2023*
PaloAlto Network CyberSecurity Training	*2022*

Education

ESPRIT Tunis	**Tunis, Tunisia**
Telecommunications and Computer Engineering Degree	*September 2020–June 2023*
ISSAT Sousse	**Sousse, Tunisia**
Mechatronics Diploma	*September 2020–July 2020*

Technical Skills

Languages: C/C++, Java, UML, HTML5, CSS3, JavaScript, Python

Technologies: Angular, React.js, Vue.js, Spring Boot, Laravel, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, ASP.NET, Node.js, Android SDK

Languages

Arabic: Native

French: Fluent

English: Fluent