Alaeddine Hammouda

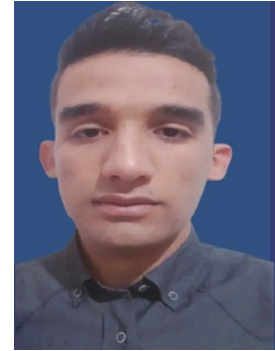*Full Stack Developer*

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📍 Mahdia , Tunis

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Education

2021/09 – 2024/07 Ariana, Tunisie	**Computer Engineering** *Esprit*
2018/09 – 2021/06 Monastir, Tunisie	**Bachelor's Degree in Electronics, Electrotechnics, and Automation** *Fsm*

Professional Experience

2024/03 – 2024/09
Ariana, Tunisie

Full Stack Java/Angular Developer (PFE)
Uptech
- Designed and developed a web application for stock , leveraging RFID data and an AI model for detecting and tracking product positions across various zones.
- Managed the codebase using polyrepo with GitLab CI/CD for deployment pipelines, integrated SonarQube for code quality analysis, and used the ELK stack for monitoring.
- Worked in an agile environment, implementing best practices for security, scalability, and AI integration.
- **Technologies:** Spring Boot (microservices), Angular, Keycloak for user management, MinIO for storage, RabbitMQ for asynchronous communication, Zipkin for distributed tracing , PostgreSQL, Docker, Kubernetes, GitLab, SonarQube, Jira, ELK.

2023/06 – 2023/08
Ariana, Tunisie

Java/Angular Intern
Digi Smart Solutions
- Studied, designed, programmed, and implemented a web application to manage the company's daily activities.
- **Technologies:** Spring Boot, Spring Security, Spring Session, Angular, MongoDB, Git, Bootstrap.

2022/07 – 2022/08
Mahdia, Tunisie

Python Intern
Tunisie Telecom
- Overview of mobile network generations. Measured and analyzed network quality.
- **Technologies:** Python, Nemo Outdoor.

Projects

2023

DevOps Project
Esprit
- Spring Boot project management with Maven, continuous integration and automation with Jenkins Pipeline.
- Backend testing with Mockito, code quality with SonarQube and JaCoCo.
- Artifact hosting with Nexus, containerization with Docker and Docker Compose.
- Data monitoring with Prometheus and Grafana.
- **Technologies:** Maven, Jenkins, Mockito, SonarQube, JaCoCo, Nexus, Docker, Docker Compose, Prometheus, Grafana.

2023/07 – 2023/11	**Modeling & Automation of a Complete Workflow System**
	• Developed a Workflow Process Management module (linear and complex processes).
	• **Technologies:** Java EE, Spring, Angular, JBPM, Git.
	• https://github.com/Aladdinne/workflow.git

2023	**Integrated Development Project**
	Esprit
	• Studied, designed, and developed a full-stack website for managing various camping services.
	• Developed backend Web Services and front-end interfaces.
	• **Technologies:** Java, Spring Boot, Angular, GitHub, MySQL.

2022	**Integrated Development Project**
	Esprit
	• Studied, designed, and developed a web application and a desktop application for educational services.
	• **Technologies:** PHP, Symfony5, Java, JavaFX, MySQL, Bootstrap.

2021	**Final Year Project (PFA)**
	FSM
	• Studied, designed, and developed systems for lane detection, car detection, and fatigue detection, implemented on Pynq Z1 and Jetson Xavier NX embedded processors.
	• **Technologies:** Python, OpenCV, TensorFlow, Scikit-Learn, Keras.

Skills

Programming Languages :
Java , JavaScript , TypeScript

Frontend:
Bootstrap , Jquery , HTML5 , CSS3 , SASS

Tools :
Docker , Kubernetes ,Jira , GitLab CI , Maven , NPM , Jenkins , Postman , Grafana SonarQube , Nexus , Kibana , Azure devops

Dev Tools :
Visual Studio Code, IntelliJ, WebStorm, Eclipse ...

Collaborative Work Platform :
Jira , Git

Frameworks :
Spring Boot , Spring Security , Spring MVC , Spring batch , Spring Cloud, Hibernate JPA , React , Angular

Database Management Systems :
MySQL , PostgreSQL , MongoDB , Redis

Architecture :
Microservices , Monolithique

OS :
Linux (CentOS , Ubuntu) , Windows

Work Methodology :
Agile-scrum

Languages

Français	**Anglais**	**Arabic**
intermédiate	intermédiate	Native