



# Alaeddine Hammouda

## Full Stack Developer



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Ariana , Tunis



Linkedin



Full Stack Developer with hands-on experience in web and embedded systems. Strong in Java, Angular, React and DevOps tools. Passionate about building scalable and secure solutions in Agile environments.



### FORMATION ACADÉMIQUE

09/2021 – 01/2025

**Computer Engineering**, Esprit

Ariana, Tunisie

09/2018 – 06/2021

**Bachelor's Degree in Electronics, Electrotechnics, and Automation**,  
Fsm

Monastir, Tunisie



### EXPÉRIENCE PROFESSIONNELLE

01/2025

**Full Stack Java/Angular Developer**, TSE Consulting INT

Tunis, Tunisie

- Development of an e-invoicing solution and a complete ERP system for managing sales, purchases, and inventory.
- Designed modern user interfaces using **Angular** and developed secure APIs with **Java/Spring Boot**.
- **Technologies used:** Angular, Java, C#, MongoDB, PostgreSQL.

01/2024 – Present

**Freelancer**

- Worked on several freelance projects across diverse domains, including real estate management and business process management, demonstrating strong expertise in Full Stack Development.
- Technologies : Java ,Node.js, Angular, React , React Native , MongoDB , PostgreSQL , CI/CD

03/2024 – 10/2024

**Full Stack Java/Angular Developer (PFE)**, Uptech

Ariana, Tunisie

- Developed a smart stock management system integrating RFID and AI for real-time product tracking, using a polyrepo architecture with GitLab CI/CD, SonarQube for code quality, and the ELK stack for observability.
- **Technologies:** Spring Boot (microservices), Angular, Keycloak, RabbitMQ, MinIO, PostgreSQL, Docker, ELK.

06/2023 – 08/2023

**Java/Angular Intern**, Digi Smart Solutions

Ariana, Tunisie

- Created a real-time dashboard for over 100 IoT sensors, with a backend processing 10,000+ daily entries and maintaining 99.9% uptime
- **Technologies:** Spring Boot, Spring Security, Angular, MongoDB, Bootstrap.

07/2022 – 08/2022

Mahdia, Tunisie

### Python Intern, Tunisie Telecom

- Analyzed 2G/3G/4G mobile networks through field measurements and data visualization using Nemo Outdoor and Python.
- **Technologies:** Python, Nemo Outdoor.

## PROJETS

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2023

### DevOps Project, Esprit

- Implemented CI/CD with Jenkins, Docker, Nexus, SonarQube.
- Monitoring: Prometheus & Grafana.
- Testing: Mockito, JaCoCo.

07/2023 – 11/2023

### Modeling & Automation of a Complete Workflow System

- Designed a BPMN-based workflow engine for linear and complex processes. [GitHub](#) .
- Technologies: Java EE, Spring, Angular, JBPM, Git

2023

### Integrated Development Project, Esprit

- Studied, designed, and built a full-stack website for managing various campingservices. Implemented backend Web Services and front-end interfaces.
- Technologies: Java, Spring Boot, Angular, GitHub, MySQL

2022

### Integrated Development Project, Esprit

- Studied, designed, and created a web application and a desktop application foreducational services.
- Technologies: PHP, Symfony5, Java, JavaFX, MySQL, Bootstrap

2021

### Final Year Project (PFA), FSM

- Implemented lane detection, fatigue detection on Pynq Z1 and Jetson Xavier NX.
- **Tech:** Python, OpenCV, TensorFlow, Scikit-learn, Keras.

## COMPÉTENCES

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### Programming Languages :

Java 11/17, JavaScript, TypeScript, Python, PHP

### Database Management Systems :

MySQL , PostgreSQL , MongoDB , Redis

### Tools :

Docker ,Jira , GitLab CI , Maven , NPM , Jenkins ,  
Postman , Grafana ,SonarQube , Nexus , ELK , Git

### Dev Tools :

Visual Studio Code, IntelliJ, WebStorm, Eclipse ...

### Java Technologies :

Spring Boot, Spring Security, Spring Data JPA,  
Hibernate, Java EE, JavaFX, REST APIs, Maven

### Frontend:

Angular, React, Bootstrap , JQuery , HTML5 , CSS3 ,  
SASS

### Architecture :

Microservices , Monolithique

### OS :

Linux ( CentOS , Ubuntu ) , Windows

## LANGUES

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Français

B2

Anglais

B2

Arabic

Native