

# Alaeddine Hammouda *Full Stack Developer*

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## FORMATION ACADÉMIQUE

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09/2021 – 12/2024      **Computer Engineering**, Esprit  
Ariana, Tunisie

09/2018 – 06/2021      **Bachelor's Degree in Electronics, Electrotechnics, and Automation**,  
Monastir, Tunisie      Fsm

## EXPÉRIENCE PROFESSIONNELLE

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03/2024 – 10/2024      **Full Stack Java/Angular Developer (PFE)**, Uptech  
Ariana, Tunisie

- Designed and developed a web-based stock management application integrating RFID data and an AI model to detect and track product positions across warehouse zones.
- Utilized a polyrepo structure with GitLab CI/CD for automated deployment pipelines.
- Ensured code quality with SonarQube and implemented centralized monitoring via the ELK stack.
- Applied best practices for scalability, security, and AI integration within an Agile environment.
- **Technologies:** Java (Spring Boot – microservices), React, Keycloak, MinIO, RabbitMQ, Zipkin, PostgreSQL, Docker, Kubernetes, GitLab, SonarQube, Jira, ELK.

01/2024 – aujourd'hui      **Freelancer**

- Worked on several freelance projects across various domains, showcasing versatility and expertise in Full Stack Development.
- **Technologies :** Java ,Node.js, Angular, React , React Native , MongoDB , Postgresql , CI/CD

06/2023 – 08/2023      **Java/Angular Intern**, Digi Smart Solutions  
Ariana, Tunisie


- Developed a real-time dashboard to visualize data from 100+ live sensors, improving decision-making speed by 30%.
- Designed a resilient backend using Spring Boot and MongoDB, processing 10,000+ data entries daily with 99.9% uptime.
- Built an interactive Angular frontend with sub-second latency for real-time data visualization, enhancing user experience.
- **Technologies:** Spring Boot, Spring Security, Spring Session, Angular, MongoDB, Git, Bootstrap.

07/2022 – 08/2022      **Python Intern**, Tunisie Telecom  
Mahdia, Tunisie

- 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**
- Managed Spring Boot projects with Maven, implementing CI/CD pipelines using Jenkins.
  - 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, DockerCompose, Prometheus, Grafana
- 07/2023 – 11/2023 **Modeling & Automation of a Complete Workflow System**
- Developed a Workflow Process Management module (linear and complex processes) <https://github.com/Aladdinne/workflow.git> .
  - Technologies: Java EE, Spring, Angular, JBPM, Git
- 2023 **Integrated Development Project, Esprit**
- Studied, designed, and developed a full-stack website for managing various campingservices. • 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 foreducational 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 fatiguedetection, implemented on Pynq Z1 and Jetson Xavier NX embedded processors.
  - Technologies: Python, OpenCV, TensorFlow, Scikit-Learn, Keras

## COMPÉTENCES

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### **Programming Languages :**

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

### **Frameworks :**

Spring Boot, Hibernate, Angular, React, Node.js

### **Frontend:**

Bootstrap , JQuery , HTML5 , CSS3 , SASS

### **Database Management Systems :**

MySQL , PostgreSQL , MongoDB , Redis

### **Tools :**

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

### **Architecture :**

Microservices , Monolithique

### **Dev Tools :**

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

### **OS :**

Linux ( CentOS , Ubuntu ) , Windows

### **Collaborative Work Platform :**

Jira , Git

### **Work Methodology :**

Agile-scrum

## LANGUES

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**Français**

B2

**Anglais**

B2

**Arabic**

Native