



Saoussen AZOUZ

Full Stack Engineer

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Professional summary

Full Stack Software Engineer with hands-on experience in secure identity workflows, system architecture optimization, and scalable backend/frontend solutions. Specialized in Java, Spring Boot, Angular, and authentication frameworks (OAuth2, Keycloak). Skilled in designing and refactoring application and database architecture to ensure maintainability and performance. Experienced in working remotely with international teams and contributing across the full SDLC. Proficient in modern DevOps tools (Docker, Kubernetes), SQL/NoSQL data modeling, and clean code practices. Actively seeking to contribute to IAM projects across Europe with a focus on secure, compliant, and future-proof software solutions.

Work experience

June 2024 – Present

Full Stack Engineer at *mapsIT* — Monastir, Tunisia

- Proficient in **Spring Boot** for building robust backend systems and **Angular** for creating dynamic, user-centric frontends. Skilled in RESTful API development, database management (postgresql/NoSQL), and implementing secure authentication using Keycloak or spring security6. Experienced in DevOps practices with Docker, Kubernetes to ensure efficient deployment and scalability.
- **Live projects:** [CaissaTN](#) | [Imozon](#)

Mars 2023 – June 2023

Trainee – Machine Learning Engineer at *RLANTIS Lab, University of Monastir* — Monastir, Tunisia

- Developed and implemented a 3D UNET architecture to segment MRI brain tumor images, achieving enhanced accuracy by incorporating attention-based mechanisms to refine the model's performance.
 - **Tools:** Python, TensorFlow, Keras, Colab Pro++, Kaggle API.
- Built a sentiment analysis model for Arabic tweets to classify them as positive or negative, evaluating and optimizing various Machine Learning algorithms for accuracy and efficiency.
 - **Tools:** Python, Scikit-learn, Twitter API, Farasapy.

July 2022 – August 2022

Trainee – Software Engineer at *ASTROLAB Agency* — Sousse, Tunisia

- Built a **news article classification system** with various Machine Learning models, achieving optimal accuracy in article categorization.
- Key technologies: Python, Scikit-learn, Random Forest, Logistic Regression, NLTK.

Education

Private Polytechnic School of Monastir — Monastir, Tunisia | 2020 – 2023

Engineering Degree in Computer Science: Software Engineering

Private Polytechnic School of Monastir — Monastir, Tunisia | 2020 – 2023

Private Polytechnic School of Monastir — Monastir, Tunisia | 2018 – 2020

Certifications

- IBM Data Engineer Mastery Award | 2021 UNIQUE ID: 2056-1664-0090-4080

Hard skills

Web Technologies Frontend: Angular (16, 17) and **Backend:** Spring Boot, Django, Flask.

Mobile Technologies: Android Studio, Flutter

Data Management: Oracle SQL, MySQL, PostgreSQL.

Artificial Intelligence: Scikit-learn, TensorFlow, Keras, Python, R

Cloud Computing: Microsoft Azure, Google Colab Pro++

DevOps & CI/CD: Docker, Kubernetes, Vagrant, VirtualBox

Testing: JUnit5, Selenium, SonarQube, TDD, BDD

System & Network Administration: Linux, Windows Server, Cisco, HyperV, TCP/IP, HTTP/HTTPS.

Language skill

Arabic: Native | English: Fluent | French: Intermediate | Italian: Fluent