

Omar Jabloun

Software Engineer

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Professional Summary

Recent Software Engineering graduate from the National Institute of Applied Science and Technology (INSAT) with 2+ years of experience building scalable microservices and full-stack applications. Specialized in event-driven architectures like Kafka, cloud platforms including AWS and Azure, and AI/ML integration. Proven ability to deliver robust solutions in fintech and SaaS environments, serving over 17,000 businesses. Eager to secure a role that merges deep backend engineering with artificial intelligence.

Experience

Crewmeister GmbH

Software Engineer Intern

Munich, Germany

May 2025 - Expected Nov 2025

- Expanded core platform capabilities for **17,000+ SMBs** by engineering **event-driven microservices** for **subscription lifecycle management**, **shift planning**, and **holiday management**.
- Implemented and operated **cloud-native** services on **AWS** using **Java** and **Spring Boot**, leveraging **Kafka** for asynchronous, event-driven workflows.
- Drove **2 engineering initiatives** to improve **developer velocity** and **code quality**, highlighted by a **Resource Generator CLI (Node.js)** that cut boilerplate by **70%**.
- **Stack: Java, Spring Boot, Kafka, AWS, GitLab CI/CD, Cucumber, Kubernetes**

AS Solutions

Software Engineer - Working Student

Remote, Paris, France

Jan 2024 - Nov 2024

- Led backend development for 5+ insurance platforms (premium calculations, **payment processing**), increasing client subscriptions by 60%.
- Engineered a custom **pricing engine** to enable non-developers to configure pricing logic, cutting product development time by 80%.
- **Stack: Express, Prisma, PostgreSQL, tRPC, Docker, Azure; Methodology: Agile/Scrum, Azure DevOps**

GoMyCode

Software Engineer - Working Student

Tunis, Tunisia

Nov 2022 - Nov 2023

- Spearheaded the design and implementation of a **Talent Acquisition platform**, reducing hiring time by 30%, 100+ assessments weekly.
- Integrated automated assessments, enhancing processing efficiency by 50% and improving overall candidate quality.
- Managed and optimized **Azure-based backend** for high performance and scalability.
- **Stack: .NET 6, C#, Neo4j, Azure DevOps, Clean Architecture; Methodology: Agile/Scrum, Jira**

Education

Software Engineering Degree

National Institute of Applied Science and Technology (INSAT)

Sep. 2020 – Oct. 2025

Tunis, Tunisia

Relevant Coursework: Data Structures & Algorithms, OOP, Design Patterns, Distributed Systems, AI/ML, Deep Learning, DevOps, Web Frameworks (.NET/Angular/NestJS)

Academic Projects

Distributed Big Data Processing

INSAT - Big Data Project

2024

- Implemented a distributed pipeline using **Apache Kafka**, **Airflow**, **Hadoop**, and **Spark** for real-time and batch processing of customer purchase data, visualized via **Grafana** dashboards.

Neo4j OGM for .NET

2023

Open-Source Project – GitHub

- Developed a lightweight **Object Graph Mapper (OGM)** for **.NET** to simplify **Cypher query** execution and **record mapping** with **Neo4j**.
- Contributed to the open-source community by providing a tool that streamlines database interactions for .NET developers.

Skills & Interests

Languages: C/C++, Go, C#, Java, Python, JavaScript/TypeScript

DevOps: Git, Docker, Kubernetes, Azure, AWS, Kibana, Grafana

Technologies: .NET, Express, SpringBoot, Nest.js, GraphQL, tRPC

Agile: Scrum, Jira, Azure DevOps

Databases: SQL, Neo4j (Certified), Elasticsearch, MongoDB

Languages: Arabic (Native), English (Fluent), French (Fluent)

AI/ML: Deep Learning, NLP, LangChain, LLM, Agentic AI, MCP, RAG

Interests: Tennis, Volleyball, Photography, Chess, Spearfishing

Achievements

- **Presidential Prize:** Ranked 1st nationwide in the National Computer Science Baccalaureate exam.
- **1st Prize, E-Health Valley Hackathon:** Built a solution to enhance medicine distribution in Tunisia, potentially reducing shortages by 60%.
- **1st Prize, Upside Education Hackathon:** Created a Flask-based quiz generator from course content, cutting assessment creation time by 50%.
- **6th Place, TCPC:** Demonstrated strong problem-solving under time pressure among Tunisian collegiate teams.

Extracurricular Involvement

Chess Enthusiasts INSAT (Founding Member, Treasurer)

Sep. 2021 – Sep. 2022

Co-organized and secured sponsorships for 5 chess tournaments adhering to international standards.