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 — Munich, Germany
Software Engineer Intern — *May 2025 - Nov 2025*

- Ranked **1 in my team** for story completion in Q3 2025 and achieved the **2nd fastest lead time**.
- Engineered **full-stack features** for **17,000+ SMBs**, including subscription lifecycle management, holiday planning, and complex **third-party data processing** workflows.
- Proactively strengthened system integrity by **identifying and resolving a critical security bug** in the permission system, preventing a potential mass data-loss incident in production.
- Drove **2 engineering initiatives** to boost quality and velocity: **enabled system-wide code coverage tracking** for all microservices and built a CLI (**Node.js**) that cut boilerplate by **70%**.
- Developed and maintained **Java/Spring Boot** microservices on **AWS/Kubernetes** with **Kafka**, solving a **core framework bug** and consistently delivering **80% integration test coverage** (Cucumber).
- **Tech Stack**: **Java**, **Spring Boot**, **Kafka**, **AWS**, **Kubernetes**, **GitLab CI/CD**, **Cucumber**, **Node.js**, **React**

AS Solutions — Remote, Paris, France
Software Engineer - Working Student — *Jan 2024 - Nov 2024*

- Owned 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 — Tunis, Tunisia
Software Engineer - Working Student — *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 — Sep. 2020 – Oct. 2025
National Institute of Applied Science and Technology (INSAT) — *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 2024
INSAT - Big Data Project

- 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

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

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

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

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

Agile: Scrum, Jira, Azure DevOps

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

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.