

Haroun Barhoumi

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Summary

Junior Software Engineer recently graduated from the National School of Engineers of Tunis (ENIT), experienced in project development with a focus on Microservice Architecture and Domain-Driven Design. Skilled in problem solving and software design principles.

Education

National School of Engineers of Tunis (ENIT)(ISO 21001 :2018 and 9001 :2015) 📄	09/2022 – present
Software Engineering	
Faculty of Sciences of Tunis (Preparatory School)	09/2020 – 06/2022
National Engineering School Entry Exam	

Professional Experience

Corilus TN : End-of-Study Internship 📄	02/2025 – 08/2025
<ul style="list-style-type: none">Participated in the development of a scalable healthcare platform.Applied advanced architectural patterns and system design principles across services.	
Backend: .NET 9, C#, MediatR, Dapper,Entity Framework, Python AI, SQL Server, MongoDB, Redis, Kafka, SignalR, GraphQL, Flyway Architecture: Microservices, Domain-Driven Design (DDD), CQRS, Event-Driven Architecture, Saga Pattern, Outbox Pattern, Quartz	
Frontend: React.js, TypeScript, Component-based design, State management, UI/UX optimization	
DevOps & Cloud: Docker, Kubernetes, Azure Kubernetes Service (AKS), Azure Container Registry, Minikube, Helm, Istio (Service Mesh), API Gateway, Azure Active Directory (Security/Authentication), CI/CD Pipelines, Merging AKS credentials with local kubeconfig	
Tecware LTD Part-Time Developer	09/2024 – 02/2025
<ul style="list-style-type: none">Contributed to the development of a stock and trading platform.Integrated Umbraco CMS and ensured backend reliability using .NET technologies.	
Frameworks and Tools: .NET, Umbraco CMS, Docker, MS SQL Server	
Talan Innovation Factory Engineering Internship 📄	07/2024 – 08/2024
<ul style="list-style-type: none">Developed a platform centered around the innovative concept of DNA Data Storage.Secured first place among 10 teams for project excellence and innovation.	
Frameworks and Tools: Next.js, Artificial Intelligence, Blockchain, DNA Data Storage	
Capgemini Engineering Internship 📄	06/2023 – 07/2023
<ul style="list-style-type: none">Developed a Java application for detecting and recognizing faces using OpenCV.	
Frameworks and Tools: Java, Python, OpenCV, Maven	

Projects

• Trading Platform : GitHub 📄	January 2025
Developed a robust Trading Platform using modern web technologies to facilitate seamless trading operations. Technologies: ASP .NET 8 MVC, Docker, Umbraco, SignalR , Redis ,Microsoft SQL Server	
• Ecommerce Microservices Platform : GitHub 📄	December 2024
Implemented an E-commerce web application using a microservices architecture with Spring Cloud. Technologies: Spring Boot, Docker, Spring Cloud, Apache Kafka	
• Book Social Network : GitHub 📄	September 2024
Created a social networking platform for book lovers to share and discuss books. Technologies: Spring Boot, Angular, Docker, Keycloak	
• Gym Plus : GitHub 📄	March 2024 – May 2024
Designed a full-stack gym management system with scheduling and membership management. Technologies: JHipster, Spring Boot, MySQL, React, Docker	
• Transport Application : GitHub 📄	May 2024
Created a web application for managing bus lines, schedules, and real-time tracking. Technologies: ASP.NET 8 MVC	

Skills

Programming Languages:

C# / C / C++ / Python / Java / TypeScript / JavaScript / Dart / PHP

Frameworks and Technologies:

ASP.NET / React.js / Next.js / Angular / Node.js / Spring Boot / Flutter / Docker / GraphQL / Kafka / WebSocket / SignalR / Dapr / Helm / Istio

Cloud & DevOps:

Azure (AKS, ACR, Azure AD) / Kubernetes / Minikube / API Gateway / CI/CD Pipelines

Databases:

Microsoft SQL Server / Redis / SQLite / MongoDB / MySQL / PostgreSQL / Firebase

Operating Systems:

Linux / Windows / Bash scripting

Architecture & Patterns:

Microservices /DDD / CQRS / Event-Driven Architecture / Saga Pattern / Outbox Pattern

Certifications

- ASP.NET for Experienced Developers Specialization (3 courses - Board Infinity)
- Building Scalable Java Microservices with Spring Boot and Spring Cloud
- IBM Front-End Developer Professional Certificate

- Creating .Net Core Microservices using Clean Architecture(Udemy)
- Data Structures and Algorithms Specialization(UC San Diego)

Languages

Arab
Native

English
B2

French
B2