

# 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) 🏆 Software Engineering	09/2022 – present
Faculty of Sciences of Tunis ( Preparatory School ) National Engineering School Entry Exam	09/2020 – 06/2022

## Professional Experience

Corilus TN : End-of-Study Internship 🏆 • Participated in the development of a scalable healthcare platform. • Applied advanced architectural patterns and system design principles across services. <b>Frameworks and Tools:</b> .NET 9, React.js, MongoDB, MS SQL Server, Redis, Kafka, SignalR, CSNakes, Python AI, Dapr, Docker, Kubernetes, Flyway , GraphQL <b>Architecture and Patterns:</b> Microservices, Domain-Driven Design (DDD), CQRS, Event-Driven Architecture, MediatR, Saga Pattern, Outbox Pattern, Quartz	02/2025 – 08/2025
Tecware LTD Part-Time Developer • Contributed to the development of a stock and trading platform. • Integrated Umbraco CMS and ensured backend reliability using .NET technologies. <b>Frameworks and Tools:</b> .NET, Umbraco CMS, Docker, MS SQL Server	09/2024 – 02/2025
Talan Innovation Factory Engineering Internship 🏆 • Developed a platform centered around the innovative concept of DNA Data Storage. • Secured <b>first place among 10 teams</b> for project excellence and innovation. <b>Frameworks and Tools:</b> Next.js, Artificial Intelligence, Blockchain, DNA Data Storage	07/2024 – 08/2024
Capgemini Engineering Internship 🏆 • Developed a Java application for detecting and recognizing faces using OpenCV. <b>Frameworks and Tools:</b> Java, Python, OpenCV, Maven	06/2023 – 07/2023

## Projects

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

## Skills

<b>Programming Languages:</b> C#/C/C++/Python/Java/TypeScript/JavaScript/Dart/PHP	<b>Database:</b> Microsoft SQL Server/Redis/Sqlite/MongoDB/MySQL/Firebase PostgreSQL
<b>Frameworks and Technologies:</b> ASP.NET/ReactJS/NextJS/Angula/Node.js/Spring Boot/Docker/GraphQL/Kafka/WebSocket/SignalR/Flutter	<b>Operating System:</b> Linux/Windows/Bash scripting

## Certifications

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

## Languages

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**Arab**  
Native

**English**  
B2

**French**  
B2