

Majdi Benboubaker | Fifth-year Software Engineering Student

Seeking a 4 to 6-Month End-of-Study Internship Beginning in January

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Summary

final-year software engineering student with experience in developing high-performance web applications. Proficient in React, Node.js, Angular, Spring Boot and web design, demonstrating a strong grasp of modern web development frameworks. Possess a solid foundation in RESTful APIs, database management, and DevOps. Experienced in applying Agile methodologies like Scrum to deliver high-quality software efficiently. Being fluent in French and English allows me to communicate effectively and contribute to successful teamwork in multicultural environments. Dedicated to personal and professional growth, I am ready to apply my skills to impactful projects in the real world.

Professional Experience

Software Engineer Intern Jun. 2024 - Jul. 2024
Sofrecom Tunis, Tunisia

- Engineered and deployed a **centralized identity and access management** system, customized and built on **Keycloak**, to address the specific needs of Sofrecom's applications.
- Implemented **OpenID Connect** and integrated **LDAP** with **Keycloak**, enhancing security while reducing authentication time by **30%**.
- Documented** the Keycloak configuration manual in detail, simplifying application **setup and deployment** resulting in a **50%** reduction in onboarding time for future employees.
- Utilized **Scrum** methodology for **agile** development.

Front End Developer intern Jun. 2023 - Jul. 2023
Tunisian Chemical Group (GCT) Gabes, Tunisia

- Developed a website aimed at defining the activities of the GCT company, managing the purchase of chemical products, and handling tender management using **HTML**, **SCSS**, and **JavaScript**.
- Gathered functional requirements and participated in the **conceptual design** of the application.
- Built a responsive website to showcase GCT's core business, resulting in a **25% improvement** in overall user experience.

Projects

Book Social Network Web Application Aug. 2024 - Present

- Built a full-stack web application using **Angular**, **Spring Boot** and **PostgreSQL**.
- implemented an identity and access management system through **Keycloak**, **Spring Security**, secure Email validation and Spring Bean Validation using **JSR 303**.
- Integrated **OpenAPI** with **SwaggerUI** for **API documentation**.
- Containerized the application's infrastructure using **Docker**

University Web Application "ISSATSO+" Jan. 2024 - Apr. 2024

- Created dashboard applications for university staff and students, utilizing **React**, **TailwindCSS**, **Node.js** and **MongoDB Atlas**.
- Secured API endpoints using **JWT** and managed users authorization by roles and authorities.

Product Stock Management System Mar. 2024 - May 2024

- Architected a microservices-based application for product stock management, employing **Spring Boot**, **MySQL**, **Apache Kafka**, and **Conduktor** to enable real-time inventory updates and enhance scalability.
- Containerized** application's infrastructure using **Docker**.

Ecommerce Web Application "Shoppy" Oct. 2023 - Jan. 2024

- Designed a **responsive** e-commerce platform utilizing **React**, **SCSS**, **Git** and **GitHub**.
- Integrated **NLP chatbot** Model to enhance user experience and operational efficiency in customer service.

Library Management System Aug. 2020 - May 2022

- Developed a Library Management System in **C++** to manage member registrations, document tracking, and loan management, ensuring efficient database handling and user interaction.

Education

Software Engineering Program 2022-2025
Higher Institute of Applied Science and Technology Sousse, Tunisia

Integrated Preparatory Program 2020-2022
Higher Institute of Applied Science and Technology Sousse, Tunisia

National BAC Diploma in Science 2019-2020
Pioneer High School Gabes, Tunisia

Technical Skills

Programming Languages:

Java, JavaScript, TypeScript, PHP, Python, SQL, C, C++.

Frontend Development:

Next.js, React, Angular, HTML, CSS/SCSS, UI/UX, Responsive Design.

Backend Development:

Express.js, Node.js, Spring Boot, Swagger, Postman, REST API.

Databases:

MongoDB, Oracle Database, MySQL, PostgreSQL.

Version Control: Git, Github, GitLab.

Scripting languages:

BashScript, Windows Powershell.

Containerization technologies: Docker, Kubernetes.

Cloud computing platforms: AWS, GCP.

Networks:

OSI Model, TCP/IP protocols, Routing, Cisco Packet Tracer.

Code Editors:

Visual Studio Code, IntelliJ Idea, Eclipse.

Operating Systems: Windows, Linux Ubuntu.

Agile Methodologies: Scrum, Kanban.

Other Tools: Microsoft 365 applications, Trello, Slack, Jira.

Languages

- English:** Fluent
- French:** Fluent
- German:** Beginner
- Arabic:** Native

Extracurricular Activities

HR committee Sep. 2022 - Jul. 2023
North American Tunisian Engineers Group Sousse, Tunisia

Marketing committee Sep. 2021 - Jul. 2022
North American Tunisian Engineers Group Sousse, Tunisia