

# Elyess Ben Sassi

Software Engineering Student | Aspiring Full-Stack Developer

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## Summary

Engineering student with practical experience in web technologies and hands-on experience building scalable applications. Passionate about secure microservices architectures, modular micro-frontends, and DevOps automation. Committed to crafting performant, user-centric interfaces with a focus on clean design and accessibility. Seeking internship opportunities to grow within cloud-native environments and contribute to impactful software solutions.

## Education

**ESPRIT – Private Higher School of Engineering and Technology**

Sep 2023 – Present

Engineering Degree (Major: Software Engineering)

**Higher School of Science and Technology of Tunis (ESSTHS)**

Sep 2020 – Jun 2023

Bachelor's Degree in Computer Science

## Professional Experience

**MSIT Digital – Dynamic Web Form Management Platform (MERN)**

Full-Stack Developer Intern

| Aug 2024 – Sep 2024

- Built a no-code form builder with dynamic field creation (file uploads, validation) and **manager assignment** for data oversight.
- Developed real-time data visualization dashboards and automated **source code generation** for seamless third-party integration.
- Optimized form rendering performance by 40% using React memoization and efficient state management.

Keywords: MERN Stack, Formik, Yup, Role-Based Permissions

**Tunisie Télécom – Android App + Go Backend (Final Year Project)**

Mobile Developer Intern |

Jan 2023 – Jun 2023

- Built an Android app using **Java, DataBinding, and Observables**, following the **MVVM** pattern for clean architecture.
- Designed and implemented a scalable **Go backend with RESTful APIs**, handling data synchronization and business logic.
- Integrated a **RASA-based chatbot** (Python/YAML), improving user support efficiency with intent recognition and custom actions.
- Developed an **admin dashboard (React)** for managing backend data with live updates and CRUD functionality.

Keywords: Java, Android Studio, Go, React, MVVM, REST APIs, YAML, RASA, Chatbot

## Academic Projects

**Trelix – MERN Stack E-Learning Platform (LMS)**

Full-Stack Developer | Feb

2025 – May 2025

- Developed a full-featured LMS with **role-based access control (RBAC)**, **MFA/OTP**, and real-time updates using **Socket.io**.
- Implemented **dynamic PDF certification generation** for course completion, with automated badge awards and a gamified store (Trelix Coins).
- Designed an **admin backoffice** with audit logs, cron jobs for user activity tracking.

Keywords: MERN (MongoDB, Express, React, Node.js), JWT, Zustand, Yup, Multer

### Yumlink – Cross-Platform Mobile/Web/Desktop App

Full-Stack Developer | Oct  
2023 – May 2024

- Created a unified system with a **MySQL** database shared between a **JavaFX desktop app** and a **Symfony web app**, streamlining data synchronization.
- Designed a mobile app using **FlutterFlow** with **Firebase** for real-time updates.
- Implemented **MVC architecture** and integrated third-party APIs for extended functionality.

Keywords: *JavaFX, Symfony, PHP, FlutterFlow, Firebase, MVC, REST APIs*

## Volunteer Experience

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### IEEE TSYP 11th Congress – Media Manager

Media Manager, Organizing  
Committee | Dec 2023

- Designed social media posts and announcements for the congress.
- Developed a **C# script** to automate badge generation, inserting participant names/roles for 100+ attendees, reducing manual work by 80%.

## Technical Skills

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**Languages:** Java, JavaScript, TypeScript, Python, SQL, C++, GoLang, C#

**Frameworks/Libraries:** Angular, Spring Boot, .NET, Node.js, Express, React

**Databases:** MongoDB, MySQL, Firebase

**DevOps/Tools:** Docker, Git, GitHub Actions, Jenkins, Swagger, RabbitMQ

## Certifications

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**Fundamentals of Deep Learning** – NVIDIA (Verified)

Dec 2024