Rguez Sayf Eddine

Full Stack Developer

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Profile

Second-year engineering student specializing in Software Architecture Engineering at ESPRIT. Passionate about full stack development, software architecture, and technological innovation. Dynamic, autonomous, and highly adaptable.

Technical Skills

- **Languages:** Java, TypeScript, Python, C++, C#, C, PHP
- **Frameworks:** Spring Boot, Angular, Symfony, Qt, JavaFX, .Net
- **Web:** RESTful APIs, Keycloak, Bootstrap, SCSS
- **Machine Learning:** Scikit-learn, Flask
- **Desktop:** JavaFX, Qt (C++)
- **Games:** SDL (Ubuntu), Arduino
- **No-Code:** FlutterFlow
- **Databases:** JPA/Hibernate, SQL
- **Tools:** Git, Maven/Gradle, Agile

Professional Experience

2024 — **Engineering Intern (Immersion Internship)**, *F3T, Fraternité Tunisienne de Traitement Thermique*, Zaghouan, Tunisia
- Developed a desktop employee management application with JavaFX
- Features: authentication, absence management, leave management, etc.
- Gained insight into the workings of an industrial company

2022 — **Intern (Human and Social Training Internship)**, *F3T, Fraternité Tunisienne de Traitement Thermique*, Zaghouan, Tunisia
- Discovered the professional world and industrial environment
- Participated in human and social training activities

Projects

2025 — **Machine Learning Recommendation System**
- Implemented a recommendation system based on BERT and TF-IDF
- Developed and deployed ML models with Flask (Python)
- Integrated the recommendation engine with a web application via REST API
- Used Scikit-learn for data processing and analysis

2025 — **Full Stack Web Application**
- Developed a complete web application with Spring Boot (backend) and Angular (frontend)
- Designed secure REST APIs
- Integrated Keycloak for user management and authentication
- Built a modern, responsive user interface

2024 — **Desktop and Web Application with Symfony**
- Developed a desktop application with JavaFX
- Developed a web application with Symfony (PHP)
- Used a common database for both applications
- Synchronized and managed data between both platforms

2024 **No-Code Mobile Development**
- Built mobile applications with FlutterFlow
- Responsive design
- Rapid prototyping

2023 **PHP Web Application**
- Developed a dynamic web application in native PHP
- Created user-friendly interfaces
- Managed database and users

2022 **SDL Game Development**
- Created a game with SDL on Ubuntu
- Implemented game mechanics
- Integrated controller with Arduino
- Cross-platform optimization

Education

2022–present **Engineering cycle (2nd year), major in Software Architecture Engineering**, *ESPRIT (Private Higher School of Engineering and Technology)*, Ariana, Tunisia

Languages

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

Certifications

2023 **CCNA: Switching, Routing and Wireless Essentials** – Cisco Networking Academy (NetAcad)

Additional Skills

Agile Development, Clean Code, Design Patterns

Interests

Sports (football, hiking, etc.), Chess, Volunteering, Technology watch, Excursions, travel and adventure

Extracurricular Activities

- Former Scout member (Group Leader) for 4 years
- Participated in an international camp in Turkey
- Event manager during the National Endurance Day