

Youssef Fawel

MERN Stack Developer — Software Engineer

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Profile

4th year Software Engineering student passionate about technology, with advanced skills in application development, web development, and mobile development. Actively engaged in community initiatives as a volunteer, enriching experiences and reinforcing values. Versatile, motivated, autonomous, and adaptable, seeking learning opportunities in a stimulating professional environment.

Education

EPI Digital School, Sousse <i>Software Engineering</i>	2023 - 2026
EPI Polytechnique - EPI Digital School, Sousse <i>Preparatory Classes in Information and Communication Technology</i>	2021 - 2023
Lycée Dar Lamen, Kairouan <i>Scientific Baccalaureate</i>	2020 - 2021

Professional Experience

Final Year Project Internship <i>WBconcept, Sousse</i>	Feb 2025 - Apr 2025
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- Developing a comprehensive MERN Stack web application for digitalizing corporate meeting minutes
- Implementation of SMTP system for automatic sending of meeting emails, notifications to new users, and project-related alerts
- Building authentication, authorization, and email notification systems
- Integration of Calendar.js for advanced calendar management and meeting scheduling
- **Technologies:** React.js, Node.js, MongoDB, JWT, Express.js, SMTP

Software Development Intern <i>Prodigy InfoTech</i>	Summer 2024
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- Developed multiple projects showcasing versatility across different technologies and domains
- Created a contact management system using HTML, CSS, JavaScript, Bootstrap, PHP, and SQL
- Implemented a Sudoku solver in Java utilizing backtracking algorithms
- Built a web scraping tool with Python in Google Colab for e-commerce data extraction
- Developed a temperature conversion program with HTML5, CSS3, and JavaScript
- Created an interactive number guessing game with real-time feedback

Introductory Internship <i>Tunisie Telecom</i>	Jul 2023
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- Gained hands-on experience in telecommunications infrastructure and network management
- Participated in debugging and troubleshooting wireless networking systems
- Learned about industry-standard practices in telecommunications
- **Skills:** Debugging, Wireless Networking, Network Infrastructure

Technical Skills

- **Programming Languages:** Java, Python, C, JavaScript, SQL, Swift, Kotlin
- **Web Development:**
 - **Front-end:** HTML5, CSS3, React.js, Bootstrap, GSAP, Tailwind CSS
 - **Back-end:** Node.js, Express.js, PHP, Spring Boot
- **Databases:** MySQL, MongoDB, PostgreSQL, PL/SQL
- **Cloud & DevOps:** AWS, Git

- **Development Environments:** Android Studio, IntelliJ IDEA, Visual Studio Code, Code::Blocks
- **Design Tools:** Figma, Balsamiq
- **API Testing Tools:** Postman, Thunder Client
- **Data Analysis:** Pandas, Seaborn, Plotly, Jupyter Notebook
- **Methodologies & Architectures:** Agile, Scrum, MVC, REST API, Microservices

Certifications

AWS Academy Cloud Architecting <i>Amazon Web Services (AWS)</i>	<i>Feb 2025</i>
Hedera Certified Developer <i>The Hashgraph Association</i>	<i>Feb 2025</i>
AWS Academy Cloud Foundations <i>Amazon Web Services (AWS)</i>	<i>Dec 2024</i>
Software Engineer Certificate <i>HackerRank</i>	<i>Jul 2024</i>
CCNA: Switching, Routing, and Wireless Essentials <i>Cisco</i>	<i>Jun 2024</i>
CCNA: Introduction to Networks <i>Cisco</i>	<i>May 2024</i>

Additional Certifications:

- JavaScript (Intermediate & Basic) - HackerRank
- Python (Basic) - HackerRank
- Java (Basic) - HackerRank
- Problem Solving (Intermediate) - HackerRank
- JavaScript Algorithms and Data Structures - freeCodeCamp
- Responsive Web Design - freeCodeCamp
- Web Development - Encryptix

Academic Projects

E-learning Platform

- Designed and developed an advanced e-learning management platform for three user roles
- Created role-based access: Administrators manage courses and users, Trainers create courses, and Students access learning materials
- Implemented secure authentication, personalized dashboards, and advanced course search functionality
- **Technologies:** React.js, Node.js, Express.js, MongoDB, JWT, Postman

Healthy Eating Website with Chat-bot Assistant

- Developed a website dedicated to promoting healthy living through nutrition and exercise
- Featured recipes for balanced meals, sports routines for physical fitness, and nutritional information
- Integrated an interactive chat-bot assistant providing personalized health and nutrition advice
- **Technologies:** HTML5, CSS3, JavaScript, PHP, SQL

Digital Meeting Minutes Management System

- Developed a comprehensive MERN Stack web application for digitalizing corporate meeting minutes
- Implementation of SMTP system for automatic sending of meeting emails, notifications to new users, and project-related alerts
- Built as a final project with complete authentication and authorization
- Integration of Calendar.js for advanced calendar management and meeting scheduling
- **Technologies:** React, Node.js, MongoDB, JWT, Express.js, SMTP

Product Management System

- Created a comprehensive product management system with modern interface and integrated dark mode
- Implemented advanced CRUD functionalities for efficient product data handling
- Designed RESTful API endpoints for seamless data exchange

- **Technologies:** HTML5, CSS3, JavaScript, Node.js, Express.js, REST API, JSON

Movie Management System

- Built a feature-rich movie management platform for personal movie collections
- Implemented user authentication and authorization with JWT
- Created features for adding movies, marking favorites, and assigning categories
- **Technologies:** React, Node.js, MongoDB, Express.js, REST API, JWT

Online Art Gallery

- Developed first Spring Boot and Thymeleaf project for Full Stack course
- Created a platform where admins can manage artworks and artists
- Implemented user roles and permissions for different access levels
- **Technologies:** Java, Spring Boot, Thymeleaf, JPA, MySQL, Bootstrap

Additional Projects

Task Management System

- Built a comprehensive tool for managing user tasks with session management
- Implemented priority settings and automated status updates
- Created intuitive interface for adding, updating, and deleting tasks
- **Technologies:** HTML5, CSS3, JavaScript, PHP, MySQL, Bootstrap

E-commerce Website for Home Building

- Developed a specialized e-commerce platform for home construction and renovation products
- Implemented product catalog, shopping cart, and order management functionality
- Created secure payment systems and inventory management features
- Designed intuitive user interface for easy navigation and purchasing experience
- **Technologies:** HTML5, CSS3, JavaScript, PHP, SQL

Weather Data Visualization Project

- Completed a comprehensive data analysis project analyzing daily weather data
- Created interactive visualizations using multiple Python libraries
- Performed statistical analysis and trend identification
- **Technologies:** Python, Pandas, Seaborn, Plotly, Jupyter Notebook, Data Analysis

Contact Management System

- Developed a web-based system for managing contact information
- Implemented CRUD operations for contact details
- Created responsive interface with form validation
- **Technologies:** HTML, CSS, JavaScript, PHP, SQL

Languages

- **Arabic:** Native
- **French:** Advanced
- **English:** Professional

Interests

Reading, Volunteering, Programming, Technology, Outdoor Activities

Associative Experience

Active Member
Amazon EPI Club

2023 - 2025