



Yassine Aniba

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Profile

I'm a Full-Stack Web and Mobile Developer at Next, specializing in building scalable and efficient digital solutions. I hold a Bachelor's degree in Computer Systems Engineering and am currently pursuing an Engineering Diploma to further strengthen my expertise.

Beyond my professional work, I'm an active IEEE volunteer, contributing to technical research and community initiatives. Through this, I stay updated on the latest technologies via newsletters, national and international conferences, and industry events. Passionate about innovation, continuous learning, and making an impact in the tech world!

Education

iTeam University, Engineering in Computer science Sept. 2024 - Present
Program followed with an adapted schedule to balance studies with professional commitments.

Higher Institute of Applied Sciences and Technology of Mateur, Bachelor in Computer Systems Engineering - with high distinction Sept. 2021 - Juin 2024

- IoT, embedded systems, web development.

High School Diploma, Ibn Khaldoun Rades High School, Mathematics Juil. 2021

Professional Experience

Next, Software Developer Manzah 4, Tunisia
Sept. 2024 – Present

- Led the development of scalable web and mobile applications, improving system efficiency and user engagement.
- Designed and implemented secure APIs and optimized database structures, enhancing data integrity and application performance.
- Collaborated with cross-functional teams to integrate new technologies and streamline workflows.
- **Keywords:** Flutter, Dart, Vue, Nuxt, Laravel, Node.js, Express, MongoDB, JavaScript, PHP.

Orange Digital Center Tunisia, IoT and Web Development Intern Lac 1, Tunisia
Feb. 2024 – June 2024
4 Months

- Engineered a functional IoT prototype, integrating PCB design, real-time communication, and 3D modeling.
- Developed two fully responsive and interactive web applications using the MEAN stack, enhancing stock management efficiency..
- Strengthened cybersecurity measures, ensuring data security in IoT implementations.
- **Keywords:** Stock management, Embedded systems, MEAN stack, IoT, MQTT, PCB, 3D Design.

Nokia, Web Development Intern

- Developed two intuitive web interfaces with Angular, improving user accessibility and data visualization.
- Built and optimized RESTful APIs, ensuring seamless backend communication and improving response time.
- Assisted in integrating new digital tools to streamline internal equipment management.
- **Keywords:** Equipment management, MEAN stack, REST APIs, NoSQL, Angular, Performance Optimization.

Togo
July 2023 – Sept. 2023
3 Months

Tunisair, Web Development Intern

- Developed dynamic and responsive web pages, improving user interaction and experience.
- Designed and managed MySQL databases, optimizing queries for faster performance.
- Enhanced the internship management system by implementing key automation features.
- **Keywords:** Internship management, PHP, MySQL, HTML, CSS, UI/UX.

Charguia, Tunisia
June 2022 – July 2022
1 Month

Volunteer and Association Experience

IEEE PES Tunisia Section, Student Chapter Coordinator

- Orchestrated events and initiatives.
- Fostered strategic collaborations.

Tunisia
May 2024 - Present

IEEE IES SYP Congress, Participant

- Strengthened my network and technical skills at the congress

India
August

Student Entrepreneur Pole of Carthage, Student Entrepreneur

- Developed entrepreneurial skills.

Tunisia

IEEE ISSATM SB, Chair

- Planned and supervised over 100 events.
- Doubled the number of members.

Dec. 2021 - Jan. 2024
Mateur, Tunisia
Sept. 2022 - Dec. 2023

IEEE R8 North Africa Student and Young Professional Congress 2023, Ambassador

- Facilitated participation in the event.

Egypt
June 2023 - Aug. 2023

Enactus ISSATM, Sponsorship Member

- Negotiated and secured financial partnerships.

Mateur, Tunisia
Sept. 2021 - July 2022

Skills and Technologies

Soft Skills: Communication, Project planning, Teamwork, Problem-solving, Active listening, Sales techniques, Public speaking.

Technical Skills: Flutter, Dart, Angular (Type script), Express, Node, MongoDB, SQL, PHP, HTML, CSS, Java Script, Python, C;

Software: Visual Studio, Postman, SolidWorks, Arduino IDE, StarUML, Matlab, Kicad

Languages: Arabic, French, English

Projects

Mobile Development (Flutter and Node.js):

Smart Agriculture App Developed a cross-platform mobile application using Flutter with an admin panel for managing categorized agricultural products, solutions, and recommendations. Integrated user-side features,

including AI-powered chatbot, real-time weather insights, and agriculture-related news aggregation. Backend powered by Node.js and Firebase, ensuring scalable data management and secure authentication.

Big Deals App Implemented a subscription-based e-commerce and discount aggregation platform using Flutter and Node.js backend. Integrated secure payment processing, push notifications, and dynamic deal allocation with API integration for national businesses (cinemas, restaurants, etc.). Backend services deployed with Express.js and MongoDB, ensuring real-time transaction updates.

Smart Medication Reminder App Engineered a medication management system using Flutter and Node.js, allowing users to log medications, define dosage schedules, and receive automated notifications. Implemented local storage for offline support and Firebase Cloud Messaging (FCM) for push notifications. Backend ensures secure user authentication with JWT tokens and encrypted database storage.

Doctor-Patient Appointment System Developed a dual-interface mobile application enabling patients to search for doctors via list or map, book appointments, and track medical follow-ups. The doctor module includes appointment approval, calendar scheduling, and availability management. Implemented real-time updates using WebSockets, and integrated Google Maps API for location-based doctor searches.

Final Year Project: Development of an innovative solution combining a smart cabinet with two separate web platforms for a FabLab. The cabinet, equipped with sensors and actuators, secures the equipment and guides users with light indicators. The web platforms, one for administrators and the other for beneficiaries, simplify inventory and request management. This solution has transformed resource management, optimizing operations and strengthening security within the FabLab.

Technologies: Printed Circuit Board, MEAN stack, ESP32, IoT, MQTT, Electronics.

Additional Experience and Awards

Entrepreneurship Competitions

First place in "SEA TECH'HACK".

First place in LEVEL 1 hackathon "Pamed'innov".