

Aymen Guedri *Software engineer*

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PROFILE

Software Engineer with 3+ years of professional experience building scalable SaaS platforms, fintech solutions, and enterprise web applications. Experienced in backend, frontend, and full stack development, with expertise in cloud technologies, DevOps, and Linux environments. Strong foundation in embedded systems and IoT through academic specialization, professional experience, and hands-on projects. Open to relocation across Europe and available for onsite or hybrid opportunities

SKILLS

Programming Languages: JavaScript | TypeScript | C# | Python | Java | PHP | Data Structures and Algorithms
Frontend Development: React.js | React Native | Ionic | Redux | Next.js | Styled components | Tailwind CSS
Backend Development: Node.js | Django REST API | GraphQL | .NET
Database Management: MongoDB | PostgreSQL | Schema design
Software Testing Skills: Playwright | Python Unit Testing | Postman
Cloud & Infrastructure: AWS, Docker, Kubernetes, GitHub Actions, GitLab CI/CD, Jenkins, Linux, Nginx, grafana
Project management tools: Jira | Clickup

PROFESSIONAL EXPERIENCE

Software engineer, E-skills agency 07/2024 – present

- Contributed to the early development of a German pharmacy marketplace, implementing core customer and pharmacist workflows, including OCR-based prescription validation
- Developed booking workflows, fleet management, and administrative dashboards for a car rental platform managing 60+ vehicles, improving reservation and vehicle administration efficiency
- Led the development of a multi-tenant SaaS delivery management platform using Django, Next.js, and Ionic, covering subscription billing, RBAC, warehouse management, driver mobile app, and merchant portal

Technologies: React.js, Next.js, Ionic, Node.js, Express.js, .NET, Django, PHP, MongoDB, PostgreSQL, Playwright, GitHub Actions, Jenkins

Backend Developer, Flouci by Kaoun 09/2023 – 06/2024 | Tunis, Tunisia

- Delivered scalable backend services supporting secure financial transactions for over 250,000 users
- Worked within a cross-functional team of 5+ engineers to design, develop, and integrate backend services for secure financial transaction processing
- Implemented back-office features and REST APIs for a major client project, integrating microservices and supporting mobile application functionality

Technologies: Backend development, Django REST API, Docker, HTML, CSS, JavaScript

Embedded software engineer internship, Fab-Lab FSB 02/2023 – 06/2023 | Bizerte, Tunisia

- Created the FabLab FSB website, improving digital presence and user engagement.
- Connected IoT technologies to 3D printers on the platform, enabling real-time monitoring and streamlining operations.
- Supported FabLab FSB's mission to enhance employability and entrepreneurship for approximately 3,400 students through digital fabrication tools.

Technologies: Full stack development, React.js, Redux, Node.js, Express.js, MongoDB, IoT integration, Raspberry pi.

EDUCATION

Engineering Degree in Software Engineering (Evening Program) 09/2023 – 09/2026 | Ariana, Tunisia

Tek-Up University

National Engineering Diploma in Computer Science, Software and Information Systems Engineering

Bachelor of computer engineering 09/2020 – 06/2023 | Bizerte, Tunisia

Bizerte Science Faculty (University of Carthage)

Specialization: Embedded Systems and IoT (Internet of Things)

VOLUNTEERING EXPERIENCE

MentorNations, Frontend Developer Mentor 05/2024 – 08/2024 | Ariana, Tunisia

- Guided participants to improve their approach to building scalable web applications.
- Simplified integration and deployment workflows for better efficiency.
- Reviewed projects as a jury member, sharing insights on technical execution and problem-solving.

Technologies: React.js, Redux, Firebase, DevOps, Code review

LynxCoder Bizerte Science Faculty Club, Founder 09/2022 – 08/2023 | Bizerte, Tunisia

- Founded and led **LynxCoder FSB Club**, a university tech community focused on problem solving and game development
- Organized the **Global Game Jam**, bringing students together to collaborate on game projects under time constraints.
- Built an engaged student community by promoting hands-on learning and teamwork
- Earned **Top 10 recognition** in the **Carthage Innov'Startup Challenge**

Technologies: Educational platforms, community building, student engagement.

MentorNations, IoT Developer Mentor 07/2018 – 08/2018

- Mentored participants at the "IoT 4 YouthTech Camp 2018," a program by the U.S. Embassy and MentorNations.
- Guided them in building Android apps and integrating IoT solutions.
- Assisted participants in successfully implementing projects using Arduino Uno.

Technologies: Android (Java), IoT, Arduino Uno.

PROJECTS

Tal9ani, Home Services App ("Find me" in Tunisian dialect), Eskills agency 03/2026 – Present

- Designed and developed a mobile platform connecting users with trusted local service providers (plumbing, electrical, cleaning, gardening, etc.)
- Implemented a dual discovery system: service request posting with real-time offers and map-based provider exploration with direct booking
- Built real-time communication features including chat, image sharing, and push notifications for seamless user-provider interaction

Tech skills : .Net10, SignalR, Ionic+React, Github action, Google play store

LynxReaders 01/2025 – Present

- **Built a multi-vendor e-commerce platform for buying and selling used books** with 4 specialized portals (customer storefront, merchant dashboard, admin panel, delivery app), real-time chat, AI-powered recommendations and multi-language support
- **Engineered microservices architecture with 9 backend services** handling authentication, orders, products, messaging, and analytics, deployed across 5 domains with automated CI/CD and zero-downtime deployments
- **Deployed production infrastructure** using Docker (13 containers), GitLab CI/CD, Nginx SSL proxy on VPS with security hardening, supporting concurrent users on web and mobile platforms

Technologies: TypeScript, Node.js, Express, Next.js 15, React 19, Ionic, MongoDB, Prisma, Redis, Socket.io , TensorFlow.js, Docker, GitLab CI/CD, Nginx, AWS S3, Tailwind CSS, Nx Monorepo

CERTIFICATES

• IBM Z Day 2025 SE - AI & Data	• Atlassian Agile Project Management Professional Certificate	• Data Structures and Algorithms: In Depth DSA using C#	• .NET Core Microservices - The Complete Guide (.NET 8 MVC)
• FrontendMasters: JavaScript Design Patterns for Web Apps			

LANGUAGES

• Arabic (C2)	• English (C1)	• French (B2)	• German (A1)
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INTERESTS

Reading

Cycling

Startups & Innovation

Robotics

Gym

Nature