

Guedouar Mohamed Sif Eddine

Freelance Web Developer · IT Support

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■ View my AI Engineering Workflow → [cyfxcodeint.vercel.app](#) | Portfolio → [www.cyyyf.website](#)

ABOUT ME

Fresh graduate with a Master's in Software & Systems Engineering and a few years of freelance experience shipping real products — school management systems, SaaS MVPs, and AI-integrated tools. I work end-to-end, from the first architecture conversation to production deployment, usually as the sole engineer on a project. What I find most interesting isn't any particular stack — it's understanding what should be built, why a given approach breaks under certain conditions, and how to make better decisions before writing a single line of code. I use AI tools heavily, but as a way to think more carefully, not to skip the thinking.

EDUCATION

Master — Ingénierie des Systèmes Informatiques (ISI) 2024

Université Batna 2

- Operating systems, databases, networking fundamentals, and machine learning / deep learning / AI.
- Advanced algorithms, software architecture, and systems design.

Licence — Ingénierie des Systèmes Informatiques et Logiciels (ISIL) 2022

Université Batna 2

- Compilers and compilation theory, algorithms, OS fundamentals, computer hardware architecture.
- Object-oriented programming (OOP), web development — frontend, backend, and security basics.

EXPERIENCE

Operator Admin & IT Support Current

ZR Express · Algeria

- Onboard new employees — explain how internal applications work and the reasoning behind workflows, not just how to click buttons.
- Simplify new feature rollouts to existing team members, bridging the gap between technical changes and daily operations.
- Handle IT support tasks: hardware troubleshooting, connectivity issues, and software configuration.

Freelance Web Developer 2022 – Present

Remote

- Delivered multiple client and personal projects across SaaS dashboards, portfolios, and school management systems.
- Built a full school management system — student records, teacher scheduling, role-based auth, and admin dashboard.
- Shipped SaaS MVPs from initial spec to production, managing architecture, build, and deployment solo.
- Built AI-powered tools integrating LLM APIs.
- Applied basic security auditing on web applications using automated scanning tools.

Internship — Data Entry Agent Jan 2025

Banque Étrangère Algérienne · Algeria

- Handled structured data entry and administrative processing tasks within a banking environment.

Internship — Networking & Cabling Jan 2023

- Hands-on training in network cabling, physical infrastructure, and basic networking operations.
- Observed real telecom deployment workflows and network topology in a national operator environment.

PROJECTS

CBot — AI-Powered Chatbot Platform

- Built an end-to-end SaaS platform for deploying customizable AI chatbots using React 18, TypeScript, and Google Gemini API.
- Designed a modular architecture for easy integration, allowing users to export custom code snippets for seamless deployment into any website.

GSL School Management System — Full-Stack Education Platform

- Developed a comprehensive management system for the German School of Languages, featuring role-based dashboards for Admins, Teachers, and Students.
- Integrated an intelligent AI assistant capable of providing real-time support based on the school's specific knowledge base.
- Engineered a full-stack solution handling student records, scheduling, and portal management to streamline daily academic operations.

Security Audit & Pentesting — Web Application Security

- Performed end-to-end penetration testing and vulnerability assessment for the travel agency First Voyages.
- Executed manual and automated security scans using OWASP ZAP to identify business logic errors, XSS, and Injection vulnerabilities.
- Conducted a comprehensive analysis of SSL/TLS protocols and Security Headers (CSP, X-Frame-Options), delivering a detailed remediation plan that successfully hardened the platform's security posture.

LANGUAGES

Arabic — Native French — Conversational English — Professional

TECHNICAL SKILLS

Frontend	Next.js, React, TypeScript, Tailwind CSS, HTML/CSS
Backend	Node.js, REST APIs, PostgreSQL, Python
AI Workflow	Claude (multi-agent), ChatGPT, Gemini, custom system prompts, MCP integration
Networking	Cabling basics, networking fundamentals, TCP/IP (academic + internship)
IT Support	Hardware basics, OS administration, user onboarding, technical communication
Other	Git, Vercel, Docker (basics), penetration testing (automated tooling)