



Hamza Benfaddoul

Software Engineer

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👤 PROFILE

Junior developer with solid software engineering expertise. Experienced in writing clean, maintainable code to efficiently solve complex problems. and Currently a 1337 student

📁 PROFESSIONAL EXPERIENCE

10/2024 – 09/2025 Benguerir, Morocco	InnovX Software Engineer - Intern • Develop a modular web application for the simulation of different processes (PtX, wind farm, etc.) • Integrate advanced features such as sensitivity analysis, optimization • Implement a database to store projects • Ensure user management, project creation and display of results Design and development of the frontend and backend of the application
06/2024 – 09/2024 Marrakach, Morocco	Ambidex Full Stack Devloper - Freelance Developed full-stack web applications using Next.js for the frontend and integrated backend services to deliver responsive and dynamic user experiences

🎓 EDUCATION

10/2022 – present Benguerir, Morocco	Software engineering 1337 School UM6P 🔗
2018 – 2019 Benguerir, Morocco	Baccalaureate - Physics Option Rhamna schoool

📁 PROJECTS

09/2024 – 04/2025	Verdenix Simulate, analyze, and optimize green hydrogen, ammonia, and renewable energy systems all in one intelligent, modular platform. • Built a scalable backend for a modular web application using Python and Django • Designed RESTful APIs and integrated complex simulation logic within Django views and models to support dynamic project creation, scenario management, and result visualization. • Developed responsive and user-friendly frontend interfaces focused on enhancing UI/UX for seamless navigation and interactive data display. • Implemented user authentication system to ensure secure multi-user collaboration. • Collaborated on integrating Monte Carlo simulations and optimization routines with Python scientific libraries [NumPy, SciPy...]
04/2024 – 07/2024	Matcha – Dating Web App Project • Designed responsive UI/UX • Engineered robust backend logic for matching algorithms and dynamic user filtering, demonstrating strong software engineering principles and scalable architecture. • Implemented secure authentication workflows and real-time communication using WebSockets to deliver instant messaging and notifications with high reliability. • Applied best practices in full-stack development, emphasizing security, maintainability, and seamless integration between frontend and backend components.
01/2024 – 03/2024	Educational-platform • Developed a fully functional Educational platform, employing cutting-edge technologies including Next.js with the App Router, Postgresql, and Stripe for payment integration. demonstrating proficiency in modern web development techniques. • Demonstrated proficiency in [Nextjs, Postgresql, Prisma].
12/2024 – 01/2025	Inception - Docker-Based System Administration • Broadened knowledge of system administration through Docker virtualization. • Virtualized multiple Docker images and deployed them in a personal virtual machine, gaining hands-on experience in containerization and system management.

🧠 SKILLS

javascript | Nextjs | Python | Django | Nodejs | Nestjs | GIt | Docker | ExpressJs | Postgresql | MongoDB | Prisma