khalid zerri

Full-stack developer

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📍 khouribga, 1337 coding school   🏴 morocco

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Profile

Passionate self-taught software developer with a solid technical background gained through hands-on experience and formal training at 1337 Coding School in Khouribga. Adept in both low-level systems programming (C, C++) and high-level full-stack web development using HTML, CSS, JavaScript (ES6+), TypeScript, React.js, Next.js, Node.js, Django, and Python. Skilled in containerization with Docker, styling with Tailwind CSS, and version control using Git & GitHub. Familiar with Agile workflows and committed to continuous learning, problem-solving, and building scalable, modern applications.

Education

1337 coding school
Software Engineer / Full-Stack WebDev

10/2022 – present
khouribga, morocco

Diploma of software development, Specialized institute of applied technology
full-stack developer

09/2018 – 07/2020
sala aljadida,
morocco

Skills

Programming languages
Typescript, Javascript, C/C++, Python

Frontend Frameworks / Libraries
Next.js, React.js, Tailwind CSS

Backend Frameworks / Libraries
Node.js, Express.js, Next.js, Django

Databases
MySQL, PostgreSQL

Containerization
Docker

Projects

Super-Pong Gaming application
Developed a secure, responsive web application featuring user management, authentication (JWT, 2FA), and a dynamic dashboard using Next.js, Tailwind CSS, Django, Django Channels, PostgreSQL, and Redis cache. Integrated a real-time multiplayer Ping Pong game with WebSocket support and built a full tournament system to manage brackets, scores, and player progress. Ensured seamless real-time communication and robust security through advanced authentication methods and efficient state management.

Mini-Shell
Developed a custom Unix-like shell in C with support for command execution, pipes, redirections, and built-in commands.

Custom Internet Relay Chat (IRC) System
Developed a fully functional Internet Relay Chat (IRC) server and client using C++. Implemented core socket programming concepts, multi-threaded client handling, and real-time message broadcasting. Supported multiple users, channels, private messaging, and basic IRC commands.

Dockerized Web Services

Designed and deployed a Docker-based system using multiple containers (NGINX, WordPress, MariaDB) while ensuring security, scalability, and efficient service management through Docker Compose.

Professional Experience

Full-stack developer   06/2021 – 06/2022

1 year of experience building scalable and maintainable web applications using Symfony.   rabat, morocco
Worked with routing, controllers, templating (Twig), Doctrine ORM, and RESTful APIs.