Abdelmoughit Echcharbiny

Software Engineer

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Software Engineer with a focus on Full Stack Development and DevOps. Experienced in building real time web applications using WebSockets, containerizing applications with Docker, and implementing scalable deployment workflows. Strong interest in system reliability and modern web technologies.

Experience

DevOps & Cloud Engineer – Freelance   **Feb 2025 - Present**

- Deployed and maintained 2 production web applications across multi-cloud environments (GCP, Oracle Cloud, AWS)
- Architected CI/CD pipelines using GitHub Actions reducing deployment time from manual processes to automated
- Implemented staging and production environment separation for both applications, ensuring safe testing workflows before production releases
- Configured CDN integration (CloudFlare/AWS CloudFront) to improve global content delivery and reduce page load times by 40%
- Containerized legacy applications using Docker, creating reproducible builds and simplifying deployment workflows
- Set up load balancers and auto-scaling groups to handle traffic spikes, maintaining 99.9% uptime across both applications
- Managed infrastructure as code, enabling consistent environment provisioning and disaster recovery capabilities

Projects

CUSTOM HTTP/1.1 WEB SERVER   **Apr 2024**

- Built RFC-compliant HTTP/1.1 server in C++ with full request/response parsing and support for GET, POST, DELETE methods
- Implemented event-driven architecture handling concurrent connections with proper status codes and content delivery

INCEPTION   **Jan 2025**

- Deployed multi-service Docker environment with NGINX, WordPress, and MariaDB using Docker Compose
- Configured container networking, persistent volumes, and environment isolation following DevOps best practices

PING PONG PLATFORM – Real-time Features   **Jan 2025**

- Built WebSocket-based real-time chat system with presence detection, typing indicators, and online/offline status tracking
- Implemented live notification system for seamless user communication and activity updates

EDUCATION

Université Cadi Ayyad   **Marrakech**

- Bachelor level Economics Studies (Incomplete)   **2022-2023**

1337 coding shool   **Khouribga**

- Software Engineering Program   **2023-present**

FAMILIAR TECHNOLOGIES & LANGUAGES

C/C++, Javascript, React.js, Express.js, Nest.js, Next.js, Tailwind, Fastify.js, Mysql, postgresql, Sqlite, Docker, Docker-compose, Zustand, WebSockets, AWS, GCP