Abdelmoughit ECHCHARBINY

Full Stack Engineer

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Full Stack Developer & DevOps Engineer with extensive experience in software architecture, database management, and performance optimization. Skilled in designing and deploying scalable systems, managing large datasets, and ensuring efficient server-side functionality. Adept at integrating CI/CD pipelines, automating workflows, and leveraging cloud infrastructure to deliver high-performance, reliable, and secure web applications.

Technical Skills

- **Programming Languages:** C/C++, JavaScript, Bash Scripting
- **Frameworks:** Node.js, Express.js, Nest.js, React.js, Next.js
- **Databases:** MongoDB, MySQL
- **Cloud Services:** Google Cloud Platform (GCP), Amazon Web Services (AWS)
- **Version Control:** Git & GitHub
- **Other:** REST APIs, Backend Architecture, Deployment & CI/CD Basics, Docker

Education

- **1337 School (42 Network):** *Software Engineering*
  Year: 2023 - Present
- **Cadi Ayyad University:** *Economics*
  Year: 2022 - 2023

Experience

Freelance: 2023 - Present

- Implemented an auto-scaling infrastructure on Google Cloud, optimizing resource utilization and ensuring high availability for dynamic workloads.

- Built and deployed a comprehensive full-stack school management application with features for attendance, grading, scheduling, and secure data management.

Projects

- **Inception:** DevOps-focused project at 42 School, aimed at teaching students how to set up and manage a complete development environment using containers.

- **Webserver:** C++ web server from scratch, implementing HTTP/1.1 request handling, routing, and static file serving with a focus on performance and standards compliance.

- **Ft_transcendence:** a full-stack web app with Fastify, Next.js, TypeScript, and SQLite, featuring real-time Pong gameplay using websocket.