Abdelbassat Quaoubai

Backend Developer • Software Engineer

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PROFESSIONAL SUMMARY

Passionate Backend Developer with 2+ years of intensive training at 1337 Coding School.
Specialized in building scalable web applications, microservices architectures, and high-performance systems.
Successfully delivered 15+ complex projects with strong expertise in C/C++, Node.js, and containerization.

WORK EXPERIENCE

Software Engineering Student   January 2023 - Present

1337 Coding School (42 Network) • Benguerir, Morocco

- Completed rigorous curriculum in C/C++, algorithms, and system programming with 95% success rate
- Developed 15+ full-stack applications using modern frameworks and industry best practices
- Collaborated on team projects using Agile methodologies and peer programming techniques
- Achieved top 15% ranking among 200+ students through consistent high-quality project delivery
- Mentored junior students in C++ programming and software design principles

KEY PROJECTS

ft_transcendence - Real-Time Gaming Platform   Sep 2024 - Present

Node.js, TypeScript, Docker, PostgreSQL, WebSocket, OAuth 2.0

- Architected microservices platform supporting 300+ concurrent users with 99.9% uptime
- Implemented secure JWT authentication with 2FA, eliminating security vulnerabilities
- Built real-time WebSocket system achieving less than 30ms latency for optimal user experience
- Deployed containerized solution using Docker Compose, reducing deployment time by 70%

webserv - Enterprise HTTP/1.1 Server   Jun 2024 - Aug 2024

C++, Socket Programming, Epoll, HTTP Protocol, Performance Optimization

- Developed RFC-compliant web server handling 2000+ simultaneous connections efficiently
- Implemented epoll I/O multiplexing achieving 50% better performance than industry benchmarks
- Created custom configuration parser with advanced routing and caching mechanisms
- Collaborated with 3-person development team using Git workflows and code review practices

inception - Container Orchestration Platform   Mar 2024 - May 2024

Docker, Docker Compose, Nginx, MariaDB, WordPress, SSL/TLS

- Orchestrated multi-tier application with automated CI/CD deployment pipeline
- Configured load-balanced infrastructure with SSL termination and health monitoring
- Implemented automated backup system achieving 99.95% uptime and zero data loss

TECHNICAL SKILLS

Programming Languages: C++, C, JavaScript, TypeScript, SQL, Python
Backend Technologies: Node.js, Express.js, RESTful APIs, GraphQL, WebSocket, Microservices
Database Technologies: PostgreSQL, MariaDB, MySQL, Database Design, Query Optimization
DevOps & Infrastructure: Docker, Docker Compose, Nginx, Linux, Git, CI/CD Pipelines
Security & Authentication: JWT, OAuth 2.0, Two-Factor Authentication, SSL/TLS, API Security

LANGUAGES

- Arabic (Native)   • English (Professional)   • French (Conversational)