Ayoub Belkhadir Software Engineer | Backend Developer

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PROFESSIONAL EXPERIENCE

Back-end Developer, ESCODEVE (05/2024 - Present)   Morocco
  Solutions Development & Quality Assurance
  - Designed and deployed an automated invoice/receipt processing tool, reducing manual review time by 35% and improving validation accuracy by 15%.
  - Implemented a robust billing system with employee subscription management and fully automated invoice generation, eliminating manual intervention and ensuring consistent billing accuracy.
  - Enhanced the core codebase of the Wawashi project to deliver scalable, maintainable solutions aligned with evolving user and business requirements.
  - Build and maintain a comprehensive suite of unit and integration tests to ensure functional compliance, reduce regressions, and uphold high software quality standards.
  Technologies: TypeScript, Go, Hono.js, Cloudflare Workers (serverless API logic), R2 (cloud object storage for file uploads), Durable Objects (stateful sessions and shared counters), Queues (asynchronous task handling), Cron Triggers (scheduled job automation), Docker (containerization and deployment), Neon (serverless Postgres), PostgreSQL, Prisma (ORM), AWS Textract (OCR for document parsing), vitest/jest (automated testing), Groq API (Low-latency LLM inference), OpenAPI (API design and documentation)

TECHNICAL PROJECTS

Online Ping-Pong Game (OverPing) (12/2023 - 02/2024)
  - Collaborated in a team of 5 *using Git/GitHub for version control and PR-based development* to design a real-time SPA with chat functionality, utilizing ReactJS, TypeScript, and Docker for consistent cross-environment deployment.
  - Streamlined server maintenance through containerization, ensuring seamless interoperability.

High-Performance HTTP Server (10/2023 - 12/2023)
  - Built and stress-tested a C++ web server using select to handle concurrent HTTP requests, with uptime and performance optimization as primary focus.

Multi-Container Deployment (Inception) (08/2023)
  - Built a secure WordPress environment using Docker, NGINX, and MariaDB, emphasizing data persistence and security.
  - Automated deployment via Docker Compose to simplify infrastructure management.

EDUCATION

Software Engineering (11/2021 - Present)
  1337 Coding School - UM6P Ben Guerir | Member of the 42 Network
  - Sponsored by OCP and UM6P, part of the prestigious 42 Network known for its peer-to-peer, project-based learning model with no teachers or formal classes.
  - Intensive curriculum focused on systems programming, DevOps, and collaborative problem-solving.

SKILLS

Technical
  Scripting (Python, TypeScript, Go), Databases (Neon, Prisma), Security (Docker best practices), Automation (CI/CD, Cloudflare Workers), Version Control (Git, GitHub)

Soft Skills

  Analytical Problem-Solving, Cross-Team Coordination, User-Centric Documentation, Priority Management.