

Youssef Ayedder

Software engineer/developer

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PROFESSIONAL SUMMARY

Passionate software engineer with a strong foundation in problem-solving and software development. Proficient in object-oriented programming with proven ability to quickly adapt and master new technologies and development environments. Thrives in challenging situations and excels at independently learning complex technical concepts. Strong algorithmic thinking with a hands-on approach to tackling difficult problems and delivering practical solutions.

EDUCATION

1337 coding school

Present

vocational/skills-based training

SKILLS

C/C++, JavaScript, Object-Oriented Programming, Data Structures & Algorithms, Network Programming, devops

PROJECTS

webserv

Engineered a high-performance, non-blocking HTTP web server from scratch using raw sockets and I/O multiplexing (poll/kqueue/epoll). Delivered complete request/response parsing, Nginx-style configuration, virtual servers, CGI execution, file uploads, autoindex, redirections, and body size limits – implemented entirely without external libraries.

Technologies: C++

ft_transcendence

Co-developed a secure, server-authoritative Pong platform with 42 OAuth, JWT + 2FA, live chat, friends/block, user stats, matchmaking and ranked tournaments. Delivered as a fully Dockerized SPA using React + TypeScript, Fastify + TypeScript, Socket.io, Prisma/SQLite – single-command deployment with full input validation and HTTPS.

Technologies: React, TypeScript, Vite, TailwindCSS, Fastify, SQLite, JWT, 42 OAuth2, 2FA, Docker, Makefile automation

inception

Designed and deployed a secure, production-grade web infrastructure using Docker Compose: NGINX (TLSv1.3), WordPress + PHP-FPM, MariaDB, Redis, Adminer and static site — all in custom Alpine/Debian containers, interconnected via custom network with persistent volumes and single-command launch.

Technologies: Docker, Docker Compose, NGINX (TLS), WordPress, MariaDB, Redis, Adminer, FTP, Makefile automation