

MEHDI GHALIME

BACKEND & FULL-STACK DEVELOPER

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Full-stack developer trained at 1337 (42 Network, Morocco). I build web applications end to end and understand the layer underneath them: an HTTP server written in C++98 with no external libraries, and an 8-service container stack assembled from base Debian images. Most recently I designed and built a nine-module accounting portal in Django and React, now in testing with the firm that commissioned it. Before engineering I spent five years as a freelance designer for clients in the US and UK, working in English and rated 4.9 out of 5, so I already know how to scope work, absorb revisions, and hit a date. Looking for a six-month backend or full-stack internship, starting immediately.

SELECTED PROJECTS

compta-portal: accounting practice portal (client work)

2026

Django, React, PostgreSQL, Docker, Nginx

Paid engagement for Solution Comptable et Gestion, a Moroccan accounting firm. Ran requirements discovery with the firm, designed the system across nine modules including client registry, billing, document generation, a declarations calendar and a TVA workspace, chose the stack, and handled deployment and end-to-end integration testing. Now in active testing ahead of office rollout.

CodeLab: self-hosted Git hosting platform

2026

TypeScript, React, Express, PostgreSQL, Docker, Nginx

Git platform with Smart HTTP clone/push over HTTPS, OAuth through Google and GitHub, JWT httpOnly cookie sessions, and role-based access control. Built by a team of four over eight weeks. I built the container architecture (three service containers plus PostgreSQL and Nginx on an isolated Docker network) and the Makefile tooling that reduced multi-step Docker workflows to single commands, set up and later migrated the Tailwind v4 design system, and served as Scrum Master coordinating progress and integration across the team.

github.com/Harun-III/codelab · 42 evaluation: 125/100

webserv: HTTP/1.0 server from scratch

2025

C++98, POSIX sockets, CGI, epoll

Single-threaded non-blocking HTTP server, ~5,000 lines, no external libraries. Built with one teammate; my share was the nginx-style configuration parser (tokenizer, block parsing, directive validation), the full response layer, static file serving with MIME detection and path-traversal protection, the CGI engine running Python, PHP and Bash through fork and execve with timeout handling, the error-page system, and cookie-based session management.

github.com/Harun-III/webserv · 42 evaluation: 125/100

Inception: 8-service container infrastructure

2025

Docker, Docker Compose, Nginx, MariaDB, Redis

Production-style infrastructure built entirely from debian:bullseye, with no pre-built application images. Nginx with TLS termination, WordPress on PHP-FPM, MariaDB, Redis, Adminer, Filebrowser, vsftpd and a static site. The full stack comes up from a single docker compose up.

github.com/Harun-III/inception-42 · 42 evaluation: 125/100

EXPERIENCE

Freelance Graphic Designer, Freelancer.com

2016–2021

Remote project work for clients in the United States and the United Kingdom, conducted entirely in English. Rated 4.9 out of 5, with 100% on-time and 100% on-budget delivery. Scoping, revisions and delivery handled directly with clients, with no manager in between.

freelancer.com/u/MehdiToo

Graphic Designer, Business Innovation, Casablanca

Jul–Dec 2021

Remote design work for a Moroccan business consulting firm.

TECHNICAL SKILLS

Languages	Python, JavaScript, TypeScript, C, C++, Bash, SQL
Backend	Django, Express
Frontend	React, Tailwind CSS
Infrastructure	Docker, Docker Compose, Linux, Nginx, TLS
Databases	PostgreSQL, MariaDB, Redis
Tools	Git, GitHub, Make, epoll/POSIX systems programming

EDUCATION

1337 / 42 Network, Software Engineering, Khouribga

2023–2026

Common Core completed March 2026. Peer-to-peer, project-based curriculum with no lectures and no instructors; every project is built from specification and defended in peer evaluation. Also built: minishell (POSIX shell interpreter in C), Philosophers (multithreading and mutex synchronization), cub3d (raycasting engine in C), and CPP Modules 00–09 (OOP, templates, STL).

Faculté des Lettres et des Sciences Humaines, Béni Mellal

2020–2023

University diploma (DEUG), English Studies.

LANGUAGES

Arabic: native · English: fluent, all client work conducted in English · French: basic