

Alexandre HAMAD

Developer

Former roofer and team leader, I retrained as a developer at École 42 Paris.

Open to permanent, fixed-term, apprenticeship or internship developer roles. Available immediately.

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EDUCATION

École 42 Paris, software development program

Nov. 2025 - present

- Common core completed: 20+ projects in C, C++, networking, systems and web
- Now continuing with 42 Advanced towards a state-certified (RNCP) degree
- Project-based learning and peer code review, 5 coding exams passed

PROJECTS

ft_irc · C++98, sockets, epoll

- Non-blocking multi-client IRC server using epoll, tested with irssi and nc
- Channels, operators and commands (JOIN, KICK, MODE, PRIVMSG...)

minishell · C, processes, pipes

- Unix shell built as a pair: parsing, pipes, redirections and heredoc
- Environment variables, signals and built-in commands (cd, export, exit...)

C++ Modules 00 to 09 · C++98, OOP, STL

- Classes, inheritance, polymorphism, templates and STL containers
- Exceptions, casts and the Ford-Johnson sorting algorithm

cub3D · C, MiniLibX

- Raycasting 3D engine inspired by Wolfenstein 3D
- Textured walls, movement, collisions and map parsing from a file

Inception · Docker Compose, Nginx, MariaDB, WordPress

- Nginx, WordPress and MariaDB in separate containers with Docker Compose
- TLS-secured connection and data persisted in volumes

ft_transcendence · TypeScript, React, Next.js, Prisma, Tailwind

- AI-powered paperwork assistant with a mutual-aid community, team of 4
- Front-end and API development, authentication, multilingual website

Other projects: Philosophers (threads), NetPractice (networking), Born2beroot (Linux admin), pipex, push_swap, fract-ol

PROFESSIONAL EXPERIENCE

Roofer, team leader | HamadB

2014 - 2025

- Led a team of 2 to 3 people: organization, task allocation, deadlines
- Quotes and client relations
- New builds, renovation, zinc work, waterproofing, heritage buildings

SKILLS

Languages: C, C++, TypeScript, JavaScript, Bash

Web: React, Next.js, Node.js, Tailwind, HTML/CSS

Concepts: Systems programming (processes, signals, threads, TCP sockets), OOP, REST APIs, containerization

Tools: Git, Docker, Linux, Make, GDB, Valgrind, Claude Code, Codex CLI, Cursor, GitHub Copilot, Ollama

Hardware: PC building, repair and troubleshooting, Windows installation, optimization, BIOS, overclocking

Spoken languages: French (native), English (technical)

Interests: Video games, hardware, DIY