



M. Tawil

FULL-STACK SOFTWARE ENGINEER

CONTACT

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LANGUAGES

Tamazight	native
Arabic	native
English	intermediate
French	beginner

TECHNICAL SKILLS

LANGUAGES

C, Go, JavaScript, Rust, Java

FRONTEND

HTML, CSS, Angular, Next.js, React, Tailwind, Bootstrap

BACKEND & APIS

Node.js, Spring Boot, REST, GraphQL, WebSockets

DATABASES

PostgreSQL, SQLite

TOOLING

Git, Docker, Postman, Unix, Linux

AI WORKFLOW

Cursor, GitHub Copilot, LLM-assisted dev

DRIVING LICENCE

Type B

INTERESTS

Swimming · Networking · Meeting people and building a professional circle

PROFILE

Full-stack developer in training at **1337 Rabat** (UM6P / 42 Network) and **Zone01 Oujda**. Hands-on across C, Go, JavaScript and C++ through 34+ peer-audited projects, and comfortable shipping production work end-to-end with modern AI-augmented workflows. Open to internships and engineering roles.

EDUCATION

Software Engineering Student

Oct 2024 – Present · Rabat

[1337 Rabat – UM6P / 42 Network](#)

Admitted through the Piscine selection. 42 common core in C and C++ — memory, Unix, concurrency, algorithms, OOP — peer-evaluated.

Full-Stack Development Student

Apr 2024 – Present · Oujda

[Zone01 Oujda – 01Edu Network](#)

Full-stack projects in Go, JavaScript, Rust and Java on the "Learning 3.0" model — gamified, project-based, no lectures. 34+ projects peer-audited; closing in on common-core validation.

SELECTED PROJECTS

01 01Blog — Social blogging platform

Java · Spring Boot · PostgreSQL · Angular

Social platform with media posts, comments, follows, notifications, secure user/admin roles and moderation tools.

02 Real-Time Forum

Go · SQLite · WebSockets · JS

Interactive forum with private messaging; feeds, events and live chat update in real time over WebSockets on a Go backend.

03 Bomberman DOM — Multiplayer browser game

JavaScript · WebSockets · Node.js

Multiplayer Bomberman in plain JS on a custom mini-framework — DOM-rendered at a steady 60 FPS, no Canvas, with real-time lobby and chat.

04 minishell — Unix shell from scratch

C · Processes · Pipes · Signals

Bash-like shell in C — lexing/parsing, pipelines, redirections, env expansion, signals, and a full set of builtins.

05 Philosophers — Concurrency in C

C · pthread · Mutexes · Semaphores

Dining-philosophers problem solved with both threads/mutexes and processes/semaphores — careful state design to avoid deadlocks.

06 sys sell.com — License-sales CMS (solo SaaS)

Next.js · TypeScript · Tailwind · Stripe · AI-augmented

Live SaaS I designed and ship solo: a CMS that lets digital businesses sell software licenses online — product catalog, automated license generation and delivery, customer dashboards, and admin controls. Architected end-to-end with an AI-augmented workflow.

ACTIVITIES & VOLUNTEERING

- Active member of student clubs at **1337 Rabat** and **Zone01 Oujda** — problem-solving, coding challenges and peer-led workshops.
- Former volunteer at **Association Maroc d'Avenir — Boujniba**, a non-profit focused on community charity and outreach.