Walid ZAKAN

FULL STACK DEVELOPER

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PROFILE

Full Stack Developer specializing in the **React/Next.js** and **TypeScript** ecosystem, with solid experience in **Node.js**, **Spring Boot** and **Go**. I design and ship web, desktop and mobile applications end-to-end, from database to production deployment. Multiple SaaS products shipped independently or as lead developer.

SKILLS

Languages: TypeScript, JavaScript, Java, Python, Go, PHP

Front-End: React, Next.js, React Router, Tailwind CSS, shadcn/ui, Framer Motion, Three.js

Mobile & Desktop: React Native (Expo), Tauri v2, Electron

Back-End: Node.js (Express, Fastify, Hono), Spring Boot, Go, Laravel, Django, tRPC

Databases: PostgreSQL, MySQL, MongoDB, Redis, Drizzle ORM, Prisma, JPA/Hibernate

DevOps & Cloud: Docker, GitHub Actions, CI/CD, Turborepo, n8n, Vercel, Cloudflare, AWS S3, VPS/SSH, Linux

AI: OpenAI API, Claude API, Vercel AI SDK, LangChain, LLMs (RunPod/Ollama), AI agents (MCP)

PROFESSIONAL EXPERIENCE

Tech Lead & Full Stack Developer – TekCircle, France *Jul. 2025 – Present*

- Core development of a B2B IT talent marketplace (freelancers, staffing firms, corporates) for the MENA market (**React Router v7**, **Express**, **TypeScript**, **MySQL**).
- Full operational pipeline: anonymous job postings, applications, interviews, missions, purchase orders, monthly activity reports, invoicing, digital contract signing. Real-time multi-context messaging via **Socket.io**.
- Built an AI-powered financial audit and recovery platform: document ingestion (OCR, parsing), rules engine, anomaly detection, automated reporting, private LLM infrastructure (**RunPod**).
- Built a multi-party travel insurance marketplace: plan comparison, online payment, PDF attestations with verifiable QR codes, agency and provider portals, i18n (FR/EN/AR).
- Set up DevOps infrastructure: server provisioning, database administration, CI/CD pipelines, **Docker**.
- Automated business development processes (email/LinkedIn outreach, HubSpot CRM integration) via **n8n**.

Full Stack Developer – Educational Portal *Jun. 2023 – Sept. 2023*
Private School, Casablanca

- Built a complete web portal (CMS, events, registration) with **React** and **Laravel**.
- Secure authentication with role-based access (admin, editor, student), custom CMS and administrative back-office.

Frontend Developer Intern – IT Dept. – Ministry of Education *Mar. 2023 – Jun. 2023*
Rabat

- Developed the primary UI for the internship management platform (GestHub).
- Reusable React components, REST API integration, Agile methodology.

EDUCATION

Master's – Digital Governance & Artificial Intelligence *Sept. 2025 – Present*
Faculty of Sciences – Rabat

Professional Bachelor's – Software Engineering *Sept. 2024 – Jun. 2025*
Higher School of Technology – Fes

Specialized Technician Diploma – Digital Development *Sept. 2022 – Jun. 2024*
Institute of Applied Technology, Hay Salam, Sale

Baccalaureate in Physical Sciences *Jun. 2022*

KEY PROJECTS

- **FormaTeX – LaTeX-to-PDF as a Service** formatex.io
  Browser-based LaTeX editor (Next.js, Go, PostgreSQL) with real-time compilation (4 engines), production REST API, Smart Compile (auto-fixes AI LaTeX), real-time collaboration, MCP server for AI agents.
- **Hodour – University Management Platform** hodour.online
  Full system (Spring Boot, Next.js, React Native): QR+GPS attendance, grade management, PDF transcripts, recommendation letters. 179 REST endpoints, 5 roles, mobile app.
- **AssurTek – Travel Insurance Marketplace** *Private (SaaS)*
  Multi-party marketplace (Next.js, Drizzle ORM, PostgreSQL) for Schengen visa insurance. Plan comparison, payment, PDF attestation with verifiable QR. Agency/provider portals, i18n FR/EN/AR.
- **Watchfolio – Movie & TV Tracker** Live Demo
  Local-first app (React, RxDB, Tauri v2) with episode-level tracking, AI recommendations (Gemini), public profiles, 45+ pages, stats dashboard, native desktop.
- **GestHub – Internship Management ERP** Live Demo Code
  Deployed for the Ministry of Education (React, Laravel, PostgreSQL). 5 roles, full internship lifecycle, server-side data tables, Kanban, PDF attestations, FR/EN i18n.

Languages: Arabic (Native) · French (Professional) · English (Fluent)