

# Walid ZAKAN

## Full Stack Developer – AI & SaaS

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### Profile

Full stack developer specializing in SaaS products that integrate artificial intelligence, from data modeling to production. Co-founder of FormaTeX, a platform with over 1,200 users, and developer within a product team for more than a year.

### Education

- Master's in Computer Science, Governance and Digital Transformation** *Sept. 2025 – Present*  
Faculty of Sciences, Mohammed V University, Rabat
- Professional Bachelor's, Software Engineering** *Sept. 2024 – Jun. 2025*  
Higher School of Technology, Fes
- Specialized Technician Diploma, Digital Development** *Sept. 2022 – Jun. 2024*  
ISTA Hay Salam, Salé

### Professional Experience

- Full Stack Developer**, TekCircle, France (contract, remote) *Jul. 2025 – Present*
- Development of [thetekcircle.io](https://thetekcircle.io), a B2B IT talent marketplace in production for the MENA market: applications, missions, invoicing, contract signing, real-time messaging.
  - Integration of AI features: candidate-to-offer matching, natural-language search, automatic document extraction.
  - Development of Finareo ([finareo.io](https://finareo.io)), an AI-assisted financial audit platform: document ingestion with OCR and LLMs, rules engine.
- Environment: React Router, Express, TypeScript, MySQL, Socket.io, Python, Django, PostgreSQL, Redis, Temporal, Qdrant, RAG, OCR, Docker*
- Frontend Developer Intern**, IT Dept., Ministry of Education, Rabat *Apr. 2024 – Jul. 2024*
- Developed the main interface of GestHub, an internship management platform deployed for the Ministry.

### Projects

- FormaTeX** (co-founder) – LaTeX-to-PDF platform: web editor, REST API, AI assistant and MCP server, used by over 1,200 users. Smart Compile reads TeX logs, classifies the error and retries, so LaTeX generated by LLMs compiles. Ecosystem: npm and Python SDKs, CLI, GitHub Action, VS Code extension, n8n and Zapier. Run in production with CI/CD, monitoring, backups and 560+ tests. *Next.js, PostgreSQL, Redis, Docker.* [formatex.io](https://formatex.io)
- Hodour** – university management platform: QR+GPS attendance, grades, mobile app. *Spring Boot, Next.js, React Native.*
- Watchfolio** – local-first movie and TV tracker with a desktop app. *React, Tauri.* [watchfolio.zawalid.com](https://watchfolio.zawalid.com)

### Skills

- Languages:** TypeScript, JavaScript, Python, Java, PHP, SQL    **Front-End:** React, Next.js, HTML/CSS, Tailwind CSS
- Back-End:** Spring Boot, Node.js, Django, Laravel, REST APIs, authentication (JWT, OAuth)    **Databases:** PostgreSQL, MySQL, MongoDB, Redis, ORM (Prisma, Drizzle)
- AI:** LLM APIs (OpenAI, Claude, Mistral), RAG, embeddings, vector databases, MCP, LangChain    **DevOps & Infrastructure:** Docker, GitHub Actions (CI/CD), Linux, Prometheus/Grafana, Sentry, Cloudflare
- Mobile & Desktop:** React Native (Expo), Tauri    **Practices:** Git, Agile/Scrum, testing (Jest, Vitest)
- Spoken languages:** Arabic (native), French (professional), English (fluent)