



Rachid Ahsoune

Full-stack engineer

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Full-stack engineer with 5+ years shipping B2B SaaS products end to end. I build across the whole stack Go and Java on the backend, Next.js and Angular on the frontend, with hands-on experience in AI systems and LLM integrations. I'm not the kind of engineer who just executes tasks. I like to get involved early, understand what we're building and why, and make sure the architecture will still make sense a year from now. I work best with teams that value ownership and initiative.

Professional Experience

January 2024 – Present

Software Engineer — SecDojo

- Led the rewrite of the CTF event module from PHP/**Laravel** to **Go**, designing a concurrent backend architecture to handle 2k–10k simultaneous users during live cybersecurity competitions significantly improving API latency and reducing the need for vertical infrastructure scaling on peak event days.
- Architected real-time scoring, flag submission, live ranking and hint delivery in **Go with SSE**, streaming live competition state to the Angular frontend without polling overhead.
- Built a **RAG based AI assistant** for the Cyberlab and Cyberlearn platforms using **Google Gen AI** and **Qdrant**, indexing the platform knowledge base to deliver contextually accurate guidance to B2B and B2C users throughout their learning journey.
- Developed an AI-powered back-office assistant using **OpenAI** and **RAG**, giving the content team intelligent tools to automate course research, accelerate lab creation, and automatically align content against industry cybersecurity frameworks including MITRE ATT&CK and NIST.
- Built Sekops (sekops.com), an automated application security platform for B2B clients. designed the backend scanning engine in **NestJS** with Bull job queues orchestrating multiple security scanners running in parallel, built the full pipeline from repository cloning to vulnerability detection and commit-level traceability, and delivered the results through a **Next.js** client dashboard.
- Designed and implemented **GitLab CI/CD pipelines** integrating automated testing, static analysis and CVE dependency scanning to block deployments on security or quality failures.
- Shipped B2B features across [Cyberlab](#), [Cyberlearn](#) and CyberAwareness for enterprise clients in banking and government including licence and subscription management, an in-platform coin system powering **AI features** like lab hints, and full internationalization support in French, English and Arabic.

February 2023 – January 2024

Front-End Engineer — Sekera

- Led front-end architecture and full-cycle development of three [SecDojo](#) SaaS platforms (**Cyberlab**, **Cyberlearn**, **CyberAwareness**) in **Angular and TypeScript** with Tailwind and SCSS, owning technical decisions from system design to production delivery across all platform versions.
- Onboarded and guided a group of front-end interns through the codebase, managing task distribution via **GitLab kanban** and reviewing their contributions to ensure consistency with the platform architecture and Design System.
- Created and maintained the company wide **Design System**, standardising component logic and UX patterns across all products to accelerate B2B feature delivery and ensure visual and behavioural consistency.
- Developed and maintained the SecDojo internal back-office with **Vue.js**, implementing complex business features and platform evolutions across multiple successive versions.
- Developed responsive landing pages for multiple SaaS products in close collaboration with the **UI/UX** design team.

August 2021 – January 2023

Full-Stack Developer — Digital Partnership

- Contributed to the development of [Animo.ma](#), a digital marketplace connecting pet buyers, sellers and individuals looking to adopt companion animals.
- Contributed to the development of [Harx.ai](#), a platform connecting businesses with independent sales partners, enabling them to promote products and services while earning commission-based revenue.
- Developed modern web applications using JavaScript, **React.js** and **Svelte.js**.
- Participated in database design and modeling using UML and Merise methodologies.
- Contributed to rebuilding **GetManager** ([getmanager.ma](#)) from scratch as part of a 3-person team a full B2B SaaS ERP platform built with **Laravel** and **Vue.js**, covering HR management, accounting, inventory, commercial operations, project and task management, now serving 280+ companies and 1000+ users across Morocco.
- Integrated third-party APIs into existing web applications, including Google Calendar, Google Drive and Zoom.
- Assisted with backend development, primarily implementing authentication workflows, CRUD operations and REST APIs using **Laravel**.
- Participated in daily Scrum ceremonies and collaborated closely with cross-functional development teams.
- Designed and developed a **React Native** (Expo) CRM mobile application used by delivery drivers, supporting operational workflows for enterprise customers including Pizza Hut Morocco and Burger King Morocco.

July 2020 – November 2020

Web Developer Intern — Digital Partnership

- Integrated UI mockups into responsive web interfaces using HTML, CSS, Flexbox and CSS Grid.
- Developed user interfaces for Burger King's internal customer service management platform.
- Implemented RESTful APIs using Laravel.
- Migrated legacy jQuery applications to React.js.

Technical Skills

IA / LLM

OpenAI API, Google GenAI, Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), Vector Search, Prompt Engineering, AI Agent Development, Tool Calling, LLM Workflow Orchestration

Front-End

HTML5, CSS3, Sass, Tailwind CSS, JavaScript (ES6+), TypeScript, Angular, Angular Material, RxJS, React, Redux, , Next.js (shadcn/ui, Radix UI, Framer Motion), Vue.js, Svelte, SvelteKit, React Native

Back-End

Go (Gin, GORM), Java (Spring Boot), Node.js (Express.js, NestJS), PHP (Laravel), Python (FastAPI, Flask, Celery), REST APIs, GraphQL, Keycloak

Databases

PostgreSQL, MySQL, MongoDB, Supabase, Redis, Qdrant, Elasticsearch, Algolia

Cloud

Microsoft Azure (Azure App Service, Azure Storage, Azure Functions)
Amazon Web Services (EC2, S3, RDS, CloudFront, IAM)

DevOps & Infrastructure

Docker, Docker Compose, GitLab CI, Terraform

Design

Adobe Photoshop, Figma

Operating Systems

Windows, Linux (Ubuntu), MacOS

Work Methodology

Agile (Scrum)

Languages

- Arabic** — Native
- French** — Professional Working Proficiency
- English** — Full Professional Proficiency

Education

2026 – Present

Master's Degree (In Progress)

Sidi Mohamed Ben Abdellah University – FES
Data Science and Artificial Intelligence Engineering

2021

Licence Sciences et Techniques

Faculty of Science and Technology of Mohammedia
Major: Computer Science, Networks and Multimedia

2017

Scientific Baccalaureate

Fatima El Fihriya High School
Major: Physics