Thomas Carrera

Full Stack Developer · AI & agents · Self-hosting

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SUMMARY

Full stack developer (Vue, Nuxt, Angular, Spring) with 3+ years of experience on production information systems. Builds AI agents (LLMs, MCP) wired into real business systems. Cares about privacy and data sovereignty: self-hosts his own services.

EXPERIENCE

Full Stack Developer – Bloomind

Strasbourg, France · September 2023 – Present

Maintaining and evolving the information system of a retail / e-commerce company: in-store applications (inventory, click & collect, authentication, returns, accounting).

- Built AI agents (LLMs, MCP) to assist with data analysis
- Evolved the IT system for a new point-of-sale system
- Code refactoring
- Handling production emergencies

Technologies: Vue 3, Capacitor 7, Angular 16, Spring 2/3, LDAP, Docker, MCP, LLM, Jenkins

Full Stack Developer (internship then work-study) – Sopra Steria

Annecy, France · June 2022 – September 2023

IoT project: dashboard displaying data from industrial machines.

- Back-end, front-end and data-processing microservices
- CI/CD and integration into the Azure environment
- Microservices architecture, agile / Scrum

Technologies: Angular 17, Spring 3, C#, Docker, Azure

PERSONAL PROJECTS

Self-hosted personal cloud

Web and mobile app designed and built solo, running on a Raspberry Pi with Docker: AES-encrypted NAS-style storage, music streaming, Zigbee/MQTT home automation, offline voice commands (Vosk), local AI (Ollama), Android push notifications.

3D portfolio – carrera-thomas.fr

Bilingual real-time 3D website (Nuxt, Three.js), SEO-optimized and self-hosted.

SKILLS

- Front-end: Vue.js, Nuxt, Angular, Capacitor, TypeScript
- Back-end: Java, Spring, C#, Node.js
- Databases: PostgreSQL, SQL Server
- DevOps: Docker, NGINX, Jenkins, CI/CD, Azure
- AI: LLM agents, Model Context Protocol (MCP), Claude Code, Ollama
- Methods: agile / Scrum, microservices architecture

EDUCATION

Master's degree in Computer Science – Université Savoie Mont Blanc, Le Bourget-du-Lac · 2021 – 2023

Bachelor's degree in Computer Science – Université Savoie Mont Blanc, Le Bourget-du-Lac · 2018 – 2021

French Baccalaureate (Science) – Lycée Louis Lachenal, Argonay · 2018

LANGUAGES

French (native) · English

INTERESTS

Hiking, skiing, cooking