

Mathis Bourinet

AI & FULL-STACK DEVELOPER

Bachelor's degree from HEG, Business Information Technology
mathis.bourinet@gmail.com | Portfolio: https://mathisbourinet.com
LinkedIn: linkedin.com/in/mathis-bourinet | Geneva area

Core skills

AI - Integration & agents

- **LLMs:** Claude (Code, API, SDK), OpenAI (API, SDK, Codex), Ollama, Azure AI
- **Agents & orchestration:** multi-agent systems, MCP, LangChain, n8n
- **Data & models:** embeddings, vector DB, RAG, ML (regression, classification)

Development

- **Languages:** Python, TypeScript / JavaScript, Java, C#, Solidity
- **Web:** Next.js, React, TailwindCSS
- **Data & Infra:** PostgreSQL, Supabase, NoSQL, Docker, Vercel, Git / GitHub

Methods

- Agile (Scrum), project documentation, testing
- BPMN, UML

Education

HEG: Geneva School of Business Administration
Master in Information Science (IS), since 09/2026
Bachelor in Business Information Technology, 2022 - 2025

Lycée Les Bressis
BTS in Accounting and Management, 2020 - 2022

Lycée Louis Lachenal
Scientific Baccalaureate (Life and Earth Sciences), 2018 - 2020

Languages

French: native
English: B2

Interests

Personal finance, D&D

Profile

Full-stack developer specializing in AI integration: agents, RAG and web applications in production. **Winner of the HES-SO Award** for the best Bachelor's thesis on a societal topic. **Available at 60%**, alongside my **Master's in IS at 40%** (HEG).

Professional experience

FULL-STACK & AI DEVELOPER
Self-employed
Since 05/2026

Hennebel Avocats, international legal strategy (hennebel.legal)

- Rebuilt the website and its custom CMS: specifications, development, production release, maintenance
- **AI production kits**: formatting content to the site's structure and translating it with Claude, import with error checking
- **AI integrated into the CMS** through the Claude API: translation, content extraction, spending caps and cost tracking
- 4 languages with translation tracking, 3 editorial collections, newsletter, PDF, SEO and citability by AI engines

Next.js, React, TypeScript, Supabase (Postgres, Auth, RLS), Vercel, Vitest, Playwright

IT AND INTEGRATION ASSOCIATE
CCIH, Bienne
07/2024 - 08/2024

- IT support and functional testing of the iPension pension software: test execution, gap analysis, defect reporting
- Contributed to cross-functional project management in a bilingual environment

ACCOUNTING AND MANAGEMENT CLERK
Axite CBRE, Annecy
08/2023

- Quality control of accounting data (service charges, financial flows)
- Previously, internships in accounting and treasury (Stäubli) and in evaluation and performance (Annecy City Hall)

Research and personal projects

BACHELOR'S THESIS
HEG Geneva
2025

Understanding AI Agents and Creating a Personalized AI Tutor

- **Economics and Services Domain Award (HES-SO): best Bachelor's thesis on a societal topic**
- State of the art of multi-agent systems
- Local multi-agent AI system to support software development: personalized AI tutor and development team

Local LLMs (Ollama), orchestration (LangChain, OpenAI SDK), RAG, MCP servers

AUTOMATIONS
n8n
2025

- Around fifty automations, including a newsletter written by AI agents, a RAG pipeline, an MCP assistant and email sorting

CRYPTOCURRENCY
Since 2017

Personal investment and ZFT World project (2022)

- Created a project aiming to turn Minecraft into a P2E game: tokenized in-game economy on blockchain
- Custom Java server plugin, Solidity smart contracts (ERC-20, ERC-721) on Ethereum and Polygon

PORTFOLIO
Since 2025

- Read my thesis and explore my projects in detail: mathisbourinet.com

Next.js, React, TypeScript, TailwindCSS, Supabase (Auth, Postgres, RLS), OAuth (Google/GitHub), Docker