



Adrien Lachambre

Software Engineer | Python • Backend • AI Applications
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Profiles

🔗 Github
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Summary

Software Engineering student at EPITECH with professional experience developing backend applications and REST APIs. Passionate about Python, backend engineering and AI applications, I enjoy building scalable software and developer tools. Recently focused on AI infrastructure by building open-source Python projects involving RAG pipelines, AI agents and automated documentation generation.

Seeking a part-time Software Engineering position (3 days/week), followed by a 6-month internship starting in March 2027.

Skills

</> Language Python • TypeScript • C++ • SQL • JavaScript	{ } Backend FastAPI • REST API • OpenAPI • AsyncIO	⚙ Frontend React • Next.js • Tailwind CSS
🧠 Artificial Intelligence RAG • AI Agents • LLM Integration • Vector Search • Prompt Engineering	🔧 DevOps Docker • Git • Linux • GitHub Actions	🗄 Database PostgreSQL • SQLite • Supabase

Experience

- Apimo (Apiwork)

Backend Developer Intern

Cannes, France
April 2025 – July 2025

 - Contributed to the rebuild of a large-scale REST API (Apimo API v2) using Symfony
 - Designed and implemented multiple API endpoints (GET, POST, PATCH, DELETE) for user and contact management
 - Refactored and improved existing endpoints to ensure consistency, scalability, and maintainability
 - Implemented business logic and validation rules within backend services
 - Worked with Propel ORM for database operations and complex query handling
 - Integrated security mechanisms including OAuth2 authentication and role-based access control
 - Participated in Agile development cycles (sprint planning, reviews, team collaboration)
 - Improved API architecture through modular design and reusable components
- Apimo (Apiwork)

Backend Developer Intern

Cannes, France
July 2023 – December 2023

 - Contributed to backend development of a large-scale real estate software used by 5,000+ agencies
 - Worked within an Agile team using sprint-based workflows
 - Participated in the development and improvement of internal features and tools
 - Collaborated with experienced developers in a professional environment

Languages

French Native	English Professional working proficiency	Korean Beginner (currently preparing for TOPIK I Level 2)
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Projects

- Python Agent Runtime

2026

Open-source Python framework for building production-ready AI agents with tool calling, memory management, streaming responses and extensible architecture. Designed for creating scalable LLM-powered applications.

Python • FastAPI • AsyncIO • OpenAI • Docker • PyPI
- Python RAG Framework

2026

Open-source Python Retrieval-Augmented Generation framework featuring document ingestion, vector search, citation support and streaming responses. Built for fast integration into AI applications.

Python • FAISS • SQLite • OpenAI • Markdown
- Python Doc Generator

2026

Automated documentation generator that analyzes Python projects and produces structured API documentation, developer guides and MkDocs-ready documentation from source code.

Python • AST • MkDocs • Markdown • CLI
- FlashCardStudy – Language Learning Platform

2026

Full-stack language learning platform with custom flashcard decks, authentication, progress tracking and drag-and-drop organization.

Next.js • React • TypeScript • Supabase • Tailwind CSS

<https://flashcardstudy.com>

Education

- Inha University

Exchange Program

Computer Science / Software Engineering

Incheon, South Korea • 2025 – 2026

Exchange program at Inha University, focusing on software engineering (Python, C, C++) and database design.

Gained experience in an international academic environment in South Korea.

<https://www.inha.ac.kr>
- EPITECH – European Institute of Technology

Expert in Software Engineering (RNCP Level 7, expected 2027)

Software engineering

Paris, France • 2022 – 2027

Project-based curriculum focused on software development, problem-solving, and real-world applications.

Strong emphasis on autonomy, peer learning, and practical experience.

<https://www.epitech.eu>

Interests

-  Language learning

 Open-source software & AI

 Outdoor activities and swimming

 Traveling and discovering new cultures