

WASSIM HASSOUN

AI Software Engineer | Junior AI / LLM Applications | Full-Stack AI SaaS Developer

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• Github: [github/wassim-hassoun](https://github.com/wassim-hassoun)

(Open to Remote: Europe/GCC/Global)

AI & Technical Profile

Junior AI Software Engineer specializing in LLM applications, multi-agent systems, and AI SaaS deployment. Built and deployed a production AI SaaS platform with 10+ paying users, integrating RAG pipelines, vector search, and conversational AI systems. Experienced in full-stack development (Python, Flask, Next.js, MongoDB/MySQL), API automation (OpenAI, Azure OpenAI, Meta, WhatsApp), and production deployment with CI/CD pipelines.

Skilled at translating AI models into real-world business solutions, streamlining workflows, and improving automation efficiency. Passionate about developing AI applications that scale globally and delivering end-to-end AI solutions in remote and international teams. Open to remote opportunities worldwide.

Experience

AI Developer – *Silni*

Jul 2024 – Present

- Built and maintained a production AI SaaS platform used by 10+ paying users over ~5 months, streamlining the B2B sales cycle globally.
- Engineered RAG pipelines with vector database integration, enabling fast, contextualized lead generation (~30s search latency).
- Developed a multi-agent orchestration system (Agency Swarm) for AI-assisted negotiation and task automation.
- Integrated OpenAI & Azure OpenAI APIs, along with Meta and WhatsApp APIs, for scalable AI operations and automation.
- Designed full-stack architecture using Python (Flask), Next.js, MongoDB, MySQL, delivering backend services and user-friendly dashboards.
- Implemented CI/CD workflows with GitHub Actions, deploying and maintaining production infrastructure via SSH-managed server.
- Live Demo: [SILNI.ai](https://silni.ai)

Data & AI Developer – *Cedars BC*

Jan 2024 – Jun 2024

- Developed data visualization solutions with PowerBI Desktop and Azure OpenAI.
- Built foundational expertise in machine learning, data analytics, and cloud AI services.
- Collaborated with teams to transform business requirements into actionable AI-driven insights.

Data Science and Business Analytics Intern – *The Sparks Foundation*

Oct 2023 – Dec 2023

- Completed hands-on projects in data analysis, machine learning, and data visualization, improving proficiency in Python, SQL, and BI tools.
- Developed solutions for real-world datasets, enhancing analytical and problem-solving skills.

Projects

Silni – AI SaaS Platform

- Developed AI-driven multi-agent system for B2B sales automation.
- Enabled instant lead generation, personalized outreach, and AI-assisted negotiation.
- Built full-stack dashboard using Next.js + Flask, with MongoDB backend.

WhatsApp Chatbot for Business Matchmaking

- Created conversational AI chatbot integrating OpenAI API + Agency Swarm.
- Streamlined matchmaking workflow and enhanced user engagement via intelligent automation.

Data Analysis for SoftCart

- Built retail data platform with MySQL + MongoDB, automated daily ETL, and created BI dashboards.
- Applied SparkML for predictive sales forecasting.

IDO Task Management Application

- Full-stack app using Angular + ASP.NET 6 + SQL, enabling task logging and management operations.

Skills

Technical Skills

- AI & ML: Generative AI, LLMs, Prompt Engineering, RAG, Vector DB, Multi-Agent Systems, SparkML, Scikit-learn
- Web & App Development: Next.js, HTML/CSS/JS, Flask, ASP.NET 6, REST APIs, Full-Stack Development
- Data & Analytics: MongoDB, MySQL, SQL, PowerBI, Data Visualization, Predictive Analytics
- Programming Languages: Python, Java, C, C++
- DevOps & Deployment: GitHub Actions CI/CD, SSH production deployment
- APIs & Automation: OpenAI, Azure OpenAI, Meta API, WhatsApp API

Soft Skills

- Communication, Problem Solving, Team work, Attention to Detail

Education

B. S. in Computer Science

2022 – 2023

Lebanese University – Faculty of Science

Baccalaureate in General Sciences

2019 – 2020

George Sarraf High School

Certificates

Data Engineering Professional Certificate – Coursera

2022 – 2023

Certificate of Completion – The Sparks Foundation

2022 – 2023

Languages

Arabic – Native | English – Fluent | French – Fluent