

SUHAIB JBARA

AI / SOFTWARE ENGINEER | AI SYSTEMS • BACKEND • CLOUD

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EXPERIENCE

Full Stack Software Engineer | Aligator Technology LLC

Dec 2024 – Aug 2025

- Integrated third-party APIs including Reddit and SendGrid to expand product functionality for content ingestion and email delivery.
- Contributed to the company landing page and deployment, supporting branding and outreach initiatives.
- Developed threshold-based alerts that notified users of relevant mentions and enabled faster action.
- Developed a newsletter feature for sharing curated news internally across teams.
- Built production observability with Grafana Cloud for system monitoring, incident detection, and troubleshooting across application and infrastructure telemetry.

Software Engineer Intern | Aligator Technology LLC

Jun 2024 – Aug 2024

- Cleaned and filtered raw scraped JSON data so downstream product views used higher-quality information.
- Optimized database and ORM queries, contributing to a reported 50% performance improvement.

Software Engineer Intern | Pronto LLC

May 2024 – Jul 2024

- Delivered new features in a React Native mobile application and improved signup and profile-update validation.
- Enhanced product discovery with fuzzy, popular, and related-product search.
- Implemented a reward flow for first-time orders to improve early user engagement.

TECHNICAL SKILLS

Languages: Python, TypeScript, SQL

AI: Generative AI, Agentic AI, RAG, LLM Integration, Vector Databases, AI Evaluation, Guardrails

Backend & Web: FastAPI, Node.js, Next.js, React, React Native, PostgreSQL, REST APIs

Cloud & DevOps: AWS, Docker, Terraform, Cloudflare, Infrastructure as Code, CI/CD, Git, GitHub Actions, Observability

SELECTED ENGINEERING PROJECTS

Deep-dive architectures, codebases, and live system demos: <https://suhaibjbara.online>

Tagushi | Production Full-Stack Ordering Platform

Tech: Next.js, FastAPI, PostgreSQL, Cloudflare, Docker, CI/CD

- Built and deployed a production restaurant ordering platform with customer ordering, cart management, and optimized state synchronization for transactional workflows.
- Deployed on Cloudflare infrastructure with edge caching to support low-latency application traffic and reduce pressure on the database layer.

JobCrew | Multi-Agent AI Application Platform

Tech: Python, AWS Bedrock, LangGraph, FastAPI, Next.js, Terraform, Docker

- Architected a multi-agent platform that maps team availability and skills to project pipelines using specialized AI agents and retrieval-based context.
- Implemented end-to-end AI observability with Langfuse to trace agent execution and improve model workflow transparency.

AI Customer Service Agent | RAG Banking Chatbot

Tech: Python, Agentic AI, AWS Bedrock, RAG, Cloudflare, Next.js, FastAPI

- Engineered a production-oriented RAG customer service system, reducing first-response time from about 2 minutes to under 5 seconds.
- Designed a safe autonomous layer that separated learning feedback from prompt parameters, achieving 70%+ containment and 0% regression errors across 500+ safety tests.

WealthPilot | AI-Powered Personal Finance Copilot

Tech: Python, Vectorization, PostgreSQL, LLMs, Docker, Git

- Built the core processing framework for a multi-agent financial monitoring application that evaluates portfolio drift against regulatory text datasets.
- Vectorized mathematical processing to scale pipeline execution from 200 test cases to 50,000+ simulated portfolios while keeping false-alarm rates under 5%.

Notion Intelligence Hub | Semantic Knowledge & Vector Pipeline

Tech: Python, LlamaIndex, ChromaDB, FastAPI, Next.js, Notion API

- Built an automated data pipeline that extracts, normalizes, and cleans workspace content through the Notion API, including nested notebook files.
- Implemented persistent ChromaDB storage and vector similarity search to reduce redundant indexing overhead.

EDUCATION

American University of Beirut (AUB) | B.Sc. Computer Science

Class of 2024 | GPA: 3.69/4.0

- USAID Higher Education Scholarship — Full Scholarship
- Dean's Honor List — Fall 2023 – Fall 2024

Carnegie Mellon University in Qatar (CMUQ) | Exchange Semester

Spring 2024

CERTIFICATION

AWS Certified Cloud Practitioner — Amazon Web Services

Issued 2026 | [Credly Credential](#)