

Ali Saleh

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PROFESSIONAL SUMMARY

Software Engineer working across backend systems, data pipelines, and AI-driven features. Strong in Python and SQL, with experience building production systems using Airflow, BigQuery, FastAPI, and LLMs, along with solid frontend experience in Next.js and TypeScript.

WORK EXPERIENCE

Data Engineer, Devsinc

July 2025 – Currently

- Worked as a Data Engineer using Airflow, Google Data Fusion, and BigQuery to build and manage data pipelines.
- Created client-facing reports in Looker Studio and Tableau, requiring strong SQL and analytical skills.
- Optimized data workflows and improved pipeline reliability for large-scale reporting systems.

AI Engineer, CodAgentic

Feb 2025 – May 2025

- Developed automated systems to scrape the internet for research on companies, gathering key business insights.
- Integrated multiple APIs to aggregate company profiles, extracting metrics like employee count, revenue, and location.
- Built a system that processes queries in real time, retrieving and filtering relevant companies based on search criteria.

Associate AI Engineer, BitPix Soft

Jul 2024 – Aug 2024

- Developed a RAG system from scratch and integrated multiple LLMs (API and Local) with hybrid search (semantic & keyword) using ChromaDB and Streamlit. It also included custom chunking, dual-stage retrieval, and prompting.
- Reimplemented the RAG system using LlamaIndex to enhance performance, scalability, and overall system efficiency.
- Handled all test cases, wrote well-documented functions, and followed a modular approach for the key functionalities.

Trainee Software Engineer, Stewart Pakistan Private Limited

Mar 2024 – Jun 2024

- Worked on Node.js, MongoDB, and Express.js for backend development.

PROJECTS

Developer, AI Automation for Sales and Customer Care

Aug 2024 – May 2025

- Automated end-to-end CRM integration with zero human intervention by designing an LLM-based schema-matching algorithm, enabling seamless data ingestion and mapping.
- Architected a scalable microservice ecosystem using FastAPI backend, Next.js frontend, and PostgreSQL database, integrating Celery and Redis for reliable inter-service communication and reduced message latency.
- Built AI Sales Agent using ElevenLabs, Twilio, LangGraph and LLMs to automate CRM workflows and sales dialogues.

Developer, RAG with Multi-Retrieval Pipelines

- Built a complete pipeline from scratch using ChromaDB and chunk-based splitting for better retrieval performance.
- Implemented hybrid retrieval by combining keyword and semantic search to improve both precision and recall.
- Replicated the full retrieval flow using LlamaIndex to evaluate performance, ease of use, and modular flexibility.

SKILLS

Languages: Python, JavaScript, TypeScript, HTML, CSS

Technologies: FastAPI, Flask, TensorFlow, Keras, PyTorch, LlamaCpp, LangChain, LlamaIndex, LangGraph, ChromaDB

EDUCATION

Bachelor's in DataScience, FAST-NUCES

Aug 2021 - Jun 2025

- Data Structures and Algorithms, Database Systems, Natural Language Processing, Data Visualization and Analysis, Generative AI, Object-Oriented Programming