



# Ali Ibrahim (Full stack software engineer)

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## ● ABOUT ME

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Software engineer with 5 years of experience across backend systems, data engineering, and AI-driven applications. My work spans designing scalable microservices, building data ingestion pipelines, and developing Retrieval-Augmented Generation (RAG) systems using Large Language Models. I have practical experience with technologies such as Qt, React, Spring Boot, and LangChain to build intelligent knowledge retrieval solutions.

## ● WORK EXPERIENCE

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**RESEARCH ENGINEER – SCASE. LTD** – 01/11/2020 – 31/12/2022 – LATAKIA, SYRIA

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Sensor Tooling Team (Collaborating on Intenta S-2000 Sensor) Responsibilities:

- Building internal and external tools for sensor integration and configuration using Qt and Angular frameworks
- Contributed to the development of various services as part of the sensor's firmware.
- Developed robust C++ libraries for integration with sensor tools and services.

**FULL STACK SOFTWARE ENGINEER – FREIGHT.COM GMBH** – 01/07/2023 – Current – HAMBURG, GERMANY

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### Product Data Team

In this team, we were building an e-commerce system for a leading European company in consumer goods and retail. As a member of the Product Data Team, I was responsible for importing data from external source systems, processing it through a pipeline, aggregating it, and delivering it via a REST API to consumers, using a microservices-based architecture. My key responsibilities included:

- Refining, implementing, and maintaining a microservices-based codebase using Kotlin and Spring Boot.
- Managing and provisioning infrastructure with Terraform.
- Serving as the team's "Bug Dispatcher," acting as the first point of contact for bug reports, resolving issues, or assigning them to the appropriate developer.

### CTS Knowledge Search Team

The project focused on AI-assisted knowledge retrieval for engineering documentation and troubleshooting workflows. We worked with large collections of technical manuals, engineering drawings, support cases, spreadsheets, and internal documentation. Key responsibilities:

- Processing and normalizing data from heterogeneous sources (documents, spreadsheets, technical drawings, and metadata).
- Designing ingestion pipelines to index and structure data for efficient retrieval.
- Working with Large Language Models (LLMs) and Retrieval-Augmented Generation (RAG) approaches to improve knowledge discovery and question-answering over internal datasets.
- Responsible for maintaining the application by contributing to both LangChain backend and React frontend
- Mentoring and supporting a new team member during his onboarding process.

## ● EDUCATION AND TRAINING

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07/09/2014 – 02/03/2020 Latakia, Syria

**COMMUNICATION AND ELECTRONICS ENGINEERING** Tishreen University

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## ● SKILLS

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React | Spring Boot | LangChain | PostgreSQL | C++ | Python | Kotlin | Go | AWS | GCP | Open Search | GitLab Ci/CD | kubernetes | LLM | RAG | Microservices | Problem Solving (Problem Analysis)