

# LINH DOAN.

SOFTWARE  
ENGINEER

## PROFILE

I'm a software engineer with 3 years of experience building scalable, production-ready applications using **AWS, React, TypeScript, GraphQL, PostgreSQL, and Redux**. I'm also a GenAI practitioner with hands-on experience developing full-stack apps powered by **LangChain and OpenAI**.

## TECHNICAL STACK

### Front End



React



Typescript



GraphQL



Redux



Jest Testing

### Back End



Postgres  
SQL



AWS  
Lambda



AWS  
Appsync



AWS  
ECS



AWS  
S3



Node JS

### APPLIED AI



LangChain



Vector DB



Whisper  
Open AI



RETRIEVAL AUGMENTED GENERATION

RAG

## ACADEMIC BACKGROUND

**AIF-Co1: AWS CERTIFIED AI  
PRACTITIONER**

**ACCELERATED WEB DEVELOPMENT  
PROGRAM**

Juno College of Technology | Oct, 2021

**BACHELOR OF COMMERCE**

York University | Sep, 2018

## CONTACT

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## WORK EXPERIENCES

### Senior Software Engineer I



Sep 2022 - May, 2025

- Implemented **LangChain-powered conversational** layer for sales ops, enabling users to query CRM data and execute actions like reassigning territories and recalibrating quotas.
- Built a **RAG** architecture using database retrieval plus chain-type "map\_reduce" for summarizing sales performance across regions.

### Software Engineer

Nov 2021 - Sep 2022

- Built interactive sales tables with **React, TypeScript, and AG Grid**, handling 90 million records in real time with custom sorting, filtering, pagination, and multi-layer complex data hierarchy.
- Optimized multiple **PostgreSQL** queries, reducing runtime by 50%.
- Developed an end-to-end file upload system handling up to 90 millions of sales records with **AWS ECS, S3, DynamoDB, and PostgreSQL**.

## PROJECTS

### AI Shopping Assistant

- Built **AI Shopping Assistant** app for personalized, context-aware shopping across any retail site.
- Built with **React, TypeScript, Tailwind, Vite** on the frontend, and **ExpressJS** with OpenAI for the backend.

### Email Assistant

- Designed and implemented a Gmail-integrated email assistant using **LangChain, ChromaDB, and OpenAI** to enable natural language querying of email content, including question answering over historical threads and personalized context-aware search.