

# Kunal Chand

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H-1B Visa Holder | 3+ Years in Full-Stack Development & Gen AI | MS in Computer Science

## EXPERIENCE

**Software Engineer** | *Java, Spring Boot, Kafka*  
Trulogik Inc

**Nov 2025 – Nov 2025**  
Baltimore, Maryland, USA

- Built RESTful APIs using Spring Boot, leveraging Spring Data JPA and Hibernate ORM for seamless database integration
- Designed an Event-Driven Architecture for claims-processing system, implementing Kafka producers/consumers for real-time data exchange and scalable claims distribution across adjustors based on type, workload, and efficiency

**Full Stack Engineer (Contract)** | *Python, FastAPI, AWS Lambda, ECR, RDS, S3*  
O2

**Sep 2025 – Nov 2025**  
Remote, Minneapolis, Minnesota, USA

- Built and deployed a scalable FastAPI-based REST backend on AWS Lambda connected to RDS PostgreSQL database
- Created CI/CD pipeline in GitHub Actions to automate Docker image builds, ECR pushes, and Lambda function updates
- Implemented pre-signed URL generation for S3 objects, enabling secure direct media access from frontend clients

**Software Engineer** | *React, Redux, JavaScript, TypeScript*  
Trulogik Inc

**Jul 2024 – Jul 2025**  
Baltimore, Maryland, USA

- Created interactive UI widgets for healthcare insurance claims dashboard, powered by Generative AI and Agentic AI services to summarize reports, recommend next steps, and assist in intelligent claims assignment
- Built front-end components with React.js, TypeScript and Material UI, utilizing code-splitting and lazy loading for performance optimization, React Query for efficient data fetching, and Redux for predictable state management

**Associate Software Engineer** | *Java, Spring MVC, JavaScript, SQL*  
NRI (Nomura Research Institute) FinTech

**Aug 2020 – Jul 2022**  
Kolkata, West Bengal, India

- Delivered end-to-end features for a fintech portal using Java Spring on the backend and JavaScript on the frontend, powering secure financial transaction displays, validation alerts, and dynamic content updates for 10M+ users
- Enhanced database efficiency through indexing, query optimization, and schema normalization for faster transactions

## EDUCATION

**Master of Science in Computer Science and Engineering**  
University at Buffalo, The State University of New York

**Aug 2022 – Dec 2023**  
Buffalo, New York, USA

- Relevant Coursework: Analysis of Algorithms; Data Intensive Computing; Machine Learning; Computer Architecture

**Bachelor of Technology in Computer Science and Engineering**  
Kalinga Institute of Industrial Technology (KIIT University)

**Jul 2016 – May 2020**  
Bhubaneswar, Odisha, India

- Relevant Coursework: Data Structures; Computer Networks; Computer Graphics; Operating System

## PROJECTS

**Timesheet Auto Filler** | *Java, Selenium, OOP*

[GitHub](#)

- Automated timesheet entry in an in-house app using Selenium, reducing daily entry time from 10-15 minutes to under 2 minutes with a one-click workflow

**PDF Gen AI Chatbot** | *Python, LangChain, Vector Embeddings, Natural Language Processing (NLP)*

[Live Demo](#) | [GitHub](#)

- Developed a RAG-based LLM chatbot to process 100+ page PDFs and answer queries with context-aware responses
- Integrated Pinecone vector database with HuggingFace embeddings for optimized context retrieval in the RAG pipeline

## SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, SQL, C++

**Frameworks & Libraries:** FastAPI, Spring Boot, React (Redux, React Router, Material UI, TanStack), LangChain

**Databases:** PostgreSQL, MySQL, OracleDB, Microsoft SQL Server

**Cloud & DevOps:** AWS (Lambda, ECR, RDS, S3), Docker, GitHub Actions

**Other:** Data Structures, Algorithms, Design Patterns, Object Oriented Programming, Test Driven Development