

Kunal Chand

United States | +1 (716) 292-5504 | kunalchand.sde@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

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

EXPERIENCE

Software Engineer | *Java, Spring Boot, Kafka*

Nov 2025 – Nov 2025

Trulogik Inc

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 adjusters based on type, workload, and efficiency

Software Engineer | *Python, FastAPI, React, TypeScript, AWS*

Jul 2024 – Jul 2025

Trulogik Inc

Baltimore, Maryland, 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
- 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*

Aug 2020 – Jul 2022

NRI (Nomura Research Institute) FinTech

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
- Designed and maintained REST-based service layers in Spring MVC to support internal compliance, audit, and reporting workflows used by multiple downstream teams
- Implemented role-based access control and authentication checks at the application and API layer to ensure secure access to sensitive financial and client data
- Enhanced database efficiency through indexing, query optimization, and schema normalization for faster transactions

EDUCATION

Master of Science in Computer Science and Engineering

Aug 2022 – Dec 2023

University at Buffalo, The State University of New York

Buffalo, New York, USA

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

Bachelor of Technology in Computer Science and Engineering

Jul 2016 – May 2020

Kalinga Institute of Industrial Technology (KIIT University)

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