

# Kunal Chand

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H-1B Visa Holder | 3+ Years in Full Stack Software and AI Engineering | MS in Computer Science

## EXPERIENCE

- AI Software Engineer** | *Python, RAG, MCP, AI Agents*  
*Gradient Certification Inc*  
Feb 2026 – Present  
Remote, USA
  - Architected multi-agent AI system using Model Context Protocol (MCP) to automate ISO compliance assessments
- 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** | *Python, FastAPI, React, TypeScript, AWS*  
*Trulogik Inc*  
Jul 2024 – Jul 2025  
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*  
*NRI (Nomura Research Institute) FinTech*  
Aug 2020 – Jul 2022  
Kolkata, West Bengal, India
  - Delivered end-to-end backend features for a fintech portal using Java and Spring MVC, implementing role-based access control and authentication checks at the API layer to secure financial transactions and client data 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*  
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  
[GitHub](#)
- PDF Gen AI Chatbot** | *Python, LangChain, Vector Embeddings, Natural Language Processing (NLP)*  
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  
[Live Demo](#) | [GitHub](#)

## SKILLS

**Languages:** Python, Java, JavaScript, TypeScript, SQL, C++  
**Frameworks & Libraries:** FastAPI, Spring Boot, React (Redux, React Router, Material UI, TanStack), LangChain, LangGraph  
**AI:** Retrieval Augmented Generation (RAG), Model Context Protocol (MCP), Multi-Agent Systems, Prompt Engineering  
**Databases:** PostgreSQL, MySQL, OracleDB, Microsoft SQL Server, Pinecone  
**Cloud & DevOps:** AWS (Lambda, ECR, RDS, S3), Docker, GitHub Actions  
**Other:** Data Structures, Algorithms, Design Patterns, Object Oriented Programming, Test Driven Development