

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 <i>Python, RAG, MCP, AI Agents</i> <i>Gradient Certification Inc</i>	Feb 2026 – Present Remote, USA
• Built multi agent AI orchestration system leveraging Model Context Protocol to automate ISO compliance assessments	
Software Engineer <i>Java, Spring Boot, Kafka</i> <i>Trulogik Inc</i>	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 <i>Python, FastAPI, React, TypeScript, AWS</i> <i>Trulogik Inc</i>	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 <i>Java, Spring MVC, JavaScript, SQL</i> <i>NRI (Nomura Research Institute) FinTech</i>	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 <i>University at Buffalo, The State University of New York</i>	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 <i>Kalinga Institute of Industrial Technology (KIIT University)</i>	Jul 2016 – May 2020 Bhubaneswar, Odisha, India
• Relevant Coursework: Data Structures; Computer Networks; Computer Graphics; Operating System	

PROJECTS

Timesheet Auto Filler <i>Java, Selenium, OOP</i>	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 <i>Python, LangChain, Vector Embeddings, Natural Language Processing (NLP)</i>	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, 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