

# Kunal Chand

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

## EXPERIENCE

<b>AI Software Engineer</b>   <i>Python, RAG, MCP, AI Agents</i> <i>Gradient Certification Inc</i>	<b>Feb 2026 – Present</b> Remote, USA
• Architected multi-agent AI system using Model Context Protocol (MCP) to automate ISO compliance assessments	
<b>Software Engineer</b>   <i>Java, Spring Boot, Kafka</i> <i>Trulogik Inc</i>	<b>Nov 2025 – Nov 2025</b> 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	
<b>Full Stack Engineer</b>   <i>Python, FastAPI, React, TypeScript, AWS</i> <i>Trulogik Inc</i>	<b>Jul 2024 – Jul 2025</b> 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	
<b>Associate Software Engineer</b>   <i>Java, Spring MVC, JavaScript, SQL</i> <i>NRI (Nomura Research Institute) FinTech</i>	<b>Aug 2020 – Jul 2022</b> 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

<b>Master of Science in Computer Science and Engineering</b> <i>University at Buffalo, The State University of New York</i>	<b>Aug 2022 – Dec 2023</b> Buffalo, New York, USA
• Relevant Coursework: Analysis of Algorithms; Data Intensive Computing; Machine Learning; Computer Architecture	
<b>Bachelor of Technology in Computer Science and Engineering</b> <i>Kalinga Institute of Industrial Technology (KIIT University)</i>	<b>Jul 2016 – May 2020</b> Bhubaneswar, Odisha, India
• Relevant Coursework: Data Structures; Computer Networks; Computer Graphics; Operating System	

## PROJECTS

<b>Timesheet Auto Filler</b>   <i>Java, Selenium, OOP</i>	<a href="#">GitHub</a>
• 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	
<b>PDF Gen AI Chatbot</b>   <i>Python, LangChain, Vector Embeddings, Natural Language Processing (NLP)</i>	<a href="#">Live Demo</a>   <a href="#">GitHub</a>
• 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

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