

# Kunal Chand

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H-1B Visa Holder (No Sponsorship Required) | 3+ Years in Full-Stack Development & Gen AI | MS in Computer Science

## EXPERIENCE

<b>Fullstack Developer</b>   Python, FastAPI, AWS Lambda, ECR, RDS, S3	Sep 2025 – Nov 2025
O2	Minneapolis, Minnesota, USA
<ul style="list-style-type: none"><li>Built and deployed a scalable FastAPI-based REST backend on AWS Lambda connected to RDS PostgreSQL database</li><li>Created CI/CD pipeline in GitHub Actions to automate Docker image builds, ECR pushes, and Lambda function updates</li><li>Implemented pre-signed URL generation for S3 objects, enabling secure direct media access from frontend clients</li></ul>	
<b>Software Engineer</b>   Java, Spring Boot, Kafka, React	Jul 2024 – Jul 2025
Trulogik	Baltimore, Maryland, USA
<ul style="list-style-type: none"><li>Built RESTful APIs using Spring Boot, leveraging Spring Data JPA and Hibernate ORM for seamless database integration</li><li>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</li><li>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</li><li>Crafted 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</li></ul>	
<b>Associate Software Engineer</b>   Java, Spring MVC, JavaScript, HTML, CSS, SQL	Aug 2020 – Jul 2022
NRI (Nomura Research Institute) FinTech	Kolkata, West Bengal, India
<ul style="list-style-type: none"><li>Developed a fintech portal with a responsive UI built with JavaScript, HTML, and CSS, consuming RESTful APIs powered by a Java backend to display financial transaction data, validation alerts, and dynamic content updates for 10K+ users</li><li>Improved database performance via indexing &amp; DDL/DML tuning; boosted storage efficiency via 3NF normalization</li></ul>	

## EDUCATION

<b>Master of Science in Computer Science and Engineering</b>	Aug 2022 – Dec 2023
University at Buffalo, The State University of New York	Buffalo, New York, USA
<ul style="list-style-type: none"><li>Relevant Coursework: Analysis of Algorithms; Data Intensive Computing; Machine Learning; Computer Architecture</li></ul>	
<b>Bachelor of Technology in Computer Science and Engineering</b>	Jul 2016 – May 2020
Kalinga Institute of Industrial Technology (KIIT University)	Bhubaneswar, Odisha, India
<ul style="list-style-type: none"><li>Relevant Coursework: Data Structures; Computer Networks; Computer Graphics; Operating System</li></ul>	

## PROJECTS

<b>Timesheet Auto Filler</b>   Java, Selenium, Eclipse	<a href="#">GitHub</a>
<ul style="list-style-type: none"><li>Automated timesheet entry in an in-house app using Selenium, cutting manual effort by 75% with a one-click workflow</li></ul>	
<b>PDF Gen AI Chatbot</b>   Python, LangChain, Streamlit, Groq, Pinecone, Llama3	<a href="#">Live Demo</a>   <a href="#">GitHub</a>
<ul style="list-style-type: none"><li>Engineered a RAG-based LLM chatbot to answer queries from uploaded PDFs, improving research speed by 60%</li><li>Created Pinecone vector database with HuggingFace embeddings for optimized context retrieval in the RAG pipeline</li></ul>	

## 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

## ACHIEVEMENTS

**Publications:** Authored 2+ editorials/blogs/articles ([Brick Wall](#) | [Minimum Area Rectangle](#) | [Recursion Guide](#))  
**Certifications:** [DevOps Professional Certificate by PagerDuty and LinkedIn](#) | [Hands-On Approach to OOP with Python](#)