

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

Full Stack Developer <i>Python, FastAPI, AWS Lambda, ECR, RDS, S3</i>	Sep 2025 – Present
O2	<i>Minneapolis, Minnesota, USA</i>
<ul style="list-style-type: none">Built and deployed a scalable FastAPI-based REST backend on AWS Lambda connected to RDS PostgreSQL databaseCreated CI/CD pipeline in GitHub Actions to automate Docker image builds, ECR pushes, and Lambda function updatesImplemented pre-signed URL generation for S3 objects, enabling secure direct media access from frontend clients	
Software Engineer <i>Java, Spring Boot, Kafka, React</i>	Jul 2024 – Jul 2025
Trulogik	<i>Baltimore, Maryland, USA</i>
<ul style="list-style-type: none">Built RESTful APIs using Spring Boot, leveraging Spring Data JPA and Hibernate ORM for seamless database integrationDesigned 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 efficiencyCreated 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 assignmentCrafted 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, HTML, CSS, SQL</i>	Aug 2020 – Jul 2022
NRI (Nomura Research Institute) FinTech	<i>Kolkata, West Bengal, India</i>
<ul style="list-style-type: none">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 10M+ usersImproved database performance via indexing & DDL/DML tuning; boosted storage efficiency via 3NF normalization	

EDUCATION

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

PROJECTS

Timesheet Auto Filler <i>Java, Selenium, OOP</i>	GitHub
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Engineered a RAG-based LLM chatbot to process 100+ page PDFs and answer queries with context-aware responsesCreated 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

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](#)