Kunal Chand

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H-1B Visa Holder | 3+ Years in Full-Stack Development & Gen AI | MS in Computer Science

EXPERIENCE

Software Engineer | *Java, Spring Boot, Kafka*   **Nov 2025 – Nov 2025**
Trulogik Inc   *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

Software Engineer | *Python, FastAPI, React, TypeScript, AWS*   **Jul 2024 – Jul 2025**
Trulogik Inc   *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*   **Aug 2020 – Jul 2022**
NRI (Nomura Research Institute) FinTech   *Kolkata, West Bengal, India*

- Delivered end-to-end features for a fintech portal using Java Spring on the backend and JavaScript on the frontend, powering secure financial transaction displays, validation alerts, and dynamic content updates for 10M+ users
- Designed and maintained REST-based service layers in Spring MVC to support internal compliance, audit, and reporting workflows used by multiple downstream teams
- Enhanced database efficiency through indexing, query optimization, and schema normalization for faster transactions
- Implemented role-based access control and authentication checks at the application and API layer to ensure secure access to sensitive financial and client data

EDUCATION

Master of Science in Computer Science and Engineering   **Aug 2022 – Dec 2023**
University at Buffalo, The State University of New York   *Buffalo, New York, USA*

- Relevant Coursework: Analysis of Algorithms; Data Intensive Computing; Machine Learning; Computer Architecture

Bachelor of Technology in Computer Science and Engineering   **Jul 2016 – May 2020**
Kalinga Institute of Industrial Technology (KIIT University)   *Bhubaneswar, Odisha, India*

- Relevant Coursework: Data Structures; Computer Networks; Computer Graphics; Operating System

PROJECTS

Timesheet Auto Filler | *Java, Selenium, OOP*   [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 | *Python, LangChain, Vector Embeddings, Natural Language Processing (NLP)*   [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
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