

# Kunal Chand

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3+ Years of Software Development Experience | MS in Computer Science | Aligned towards Software Roles

## EXPERIENCE

**Software Engineer** | *React, Redux, Java, Spring Boot, Kafka*  
Trulogik

Jul 2024 – Jul 2025

Baltimore, Maryland, USA

- Created interactive UI widgets for healthcare insurance claims dashborad, powered by Generative AI and Agentic AI services to summarize reports, recommend next steps, and assist in intelligent claims assignment
- 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
- 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

**Associate Software Engineer** | *Java, JavaScript, HTML5, CSS3, SQL, Git*  
NRI (Nomura Research Institute) FinTech

Aug 2020 – Jul 2022

Kolkata, West Bengal, India

- 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
- Improved database performance via indexing & DDL/DML tuning; boosted storage efficiency via 3NF normalization

## EDUCATION

**Master of Science in Computer Science and Engineering**  
University at Buffalo, The State University of New York

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**  
Kalinga Institute of Industrial Technology (KIIT University)

Jul 2016 – May 2020

Bhubaneswar, Odisha, India

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

## PROJECTS

**Timesheet Auto Filler** | *Java, Selenium, Eclipse*

[GitHub Link](#)

- Automated timesheet entry in an in-house app using Selenium, cutting manual effort by 75% with a one-click workflow

**PDF Gen AI Chatbot** | *Python, LangChain, Streamlit, Groq, Pinecone, Llama3*

[Live Demo](#) | [GitHub Link](#)

- Engineered a RAG-based LLM chatbot to answer queries from uploaded PDFs, improving research speed by 60%
- Created Pinecone vector database with HuggingFace embeddings for optimized context retrieval in the RAG pipeline

**Distributed CLI Chat System** | *C/C++, Socket Programming, TCP/IP*

[GitHub Link](#)

- Built a centralized client-server model for a text chat app using TCP sockets & C++ for multi-client communication
- Deployed and tested application on dedicated hosts, ensuring cross-platform compatibility and robustness
- Provided dual functionality, acting as a UNIX Shell accepting commands, simultaneously handling network operations

## SKILLS

**Languages:** Java, Python, C, C++, Go, SQL, PHP, JavaScript, HTML, CSS

**Frameworks & Libraries:** Spring Boot, React, Redux, React Router, TanStack, Material UI, Selenium, Streamlit, LangChain

**Databases:** PostgreSQL, OracleDB, MySQL, Microsoft SQL Server, MongoDB, Cassandra, Redis, HBase

**Cloud & DevOps:** AWS, Azure, GCP, Linux, Docker, Kubernetes, Terraform, Jenkins, CI/CD

**Analytics & Monitoring:** Hadoop, Spark, Power BI, Splunk, Datadog, Prometheus, Grafana

**Other:** Data Structures, Algorithms, Design Patterns, OOP, Agile, SDLC, Pair Programming, Test-Driven Development, Microservices, Kafka, REST APIs, Git, Jira, Postman, Maven, JMeter

## ACHIEVEMENTS

**Publications:** Articulated 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](#)