

Manikumar Honnenahalli Lakshminarayanaswamy

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TECHNICAL SKILLS

Languages and Frameworks: Java, Python, Go, JavaScript, C++, Spring boot, Angular, React.
DevOps, CI-CD & Cloud Platforms: Docker, Kubernetes, OpenShift, Jenkins, Maven, GIT, Azure, CI/CD, Bash.
Tools and Technologies: HTML, CSS, Typescript, Microsoft SQL Server, Mango DB, Microservices, REST API, Kafka, Linux, Postman, JMeter, Oracle Database, Apache ActiveMQ, Junit, Mockito, Grafana, Prometheus, Redis.

PROFESSIONAL EXPERIENCE

United Parcel Service

Parsippany, New Jersey

Software Engineering Intern/co-op

June 2024–Present

- Implemented real-time pickup event streaming with **Kafka** and **Spring Boot**, processing over **1 million** messages daily using parallel processing techniques for scalability and efficiency
- Designed a **data partitioning** strategy in Kafka that ensured even load distribution across consumers, improving overall system **throughput by 35%**
- Engineered a flexible **package clustering algorithm** that dynamically considers address clusters, time windows, and pickup categories, enhancing route optimization and reducing **delivery costs by 25%**
- Designed and developed an **ETL** process to extract, transform, and load center and building information from external sources using **SQL Server Integration Services**

Boeing

Bangalore, India

Java Full-stack Developer

May 2022–August 2023

- Programmed and maintained a robust web-application, “**MyBoeingFleet**”, employing **Java**, Spring boot, **Angular**, **Azure**, **Kubernetes**, **Splunk**, and Oracle database resulting in **35% reduction** in application load times
- Integrated **Redis caching** into the MyBoeingFleet application, reducing database load by **40%** and improving response times for frequently accessed data
- Spearheaded the decomposition of **monolithic services into microservices**, migrating critical functionalities while maintaining **zero downtime** during transition periods
- Introduced **circuit breaker patterns** and service **retries** into the microservices architecture, ensuring resiliency against external API failures
- Migrated services from **Tomcat servers** to **Kubernetes**, realizing a **50%** timesaving in application deployment, resulting in expedited releases and heightened system agility
- Created **serverless** architecture by developing and deploying **Azure functions** to automate business processes, resulting in a **20% reduction** in **infrastructure costs** and improved scalability for event-triggered workloads

Cognizant

Pune, India

Associate Software Engineer

October 2019–May 2022

- Worked as a consultant for United Parcel Service and advanced the **Order Management System** application using Java, Angular, Spring Boot, **SQL Server**, **OpenShift**, and Apache ActiveMQ technologies
- Handled and processed **intercepts** for over **100,000 packages per day**, providing real-time instructions for over a **million routing actions**, significantly enhancing operational efficiency
- Engineered a flexible package clustering **algorithm** that dynamically considers address clusters, time windows, and pickup categories, enhancing route optimization and reducing **delivery costs by 25%**
- Designed and deployed a robust **JWT-based security** solution for external client authentication, significantly reducing unauthorized access attempts and enhancing system security
- Implemented **multi-threading** and optimized **database indexing** techniques to reduce batch processing time by **30%** during peak delivery periods

ACHIEVEMENTS AND LEADERSHIP ROLES

- Automated Savings** (January 2022): Executed the development of an automated package pickup time solution for UPS, resulting in **800 thousand dollars** in cost savings within three months, continuing to save more
- Peak Utility Dashboard** (February 2021): Developed an **API-based dashboard** that markedly slashed manual work hours, earning the prestigious 'Doing the Right Thing, the Right Way' award
- Cognizant, Interim Lead** (November - December 2021): Led a team at Cognizant in the absence of the team lead, handling client interactions and product deployments

EDUCATION

University of Florida

May 2025

Master of Science in Computer Science

GPA – 3.96/4.0

Relevant Coursework: Advanced Data structures, Computer Networks, Distributed Systems, Natural Language Processing

REVA University

August 2019

Bachelor of Technology in Electronics & Telecommunication

GPA – 3.7/4.0

Relevant Coursework: Object Oriented Programming, Operating Systems, Database Management Systems, Algorithms