MANIKUMAR HONNENAHALLI LAKSHMINARAYANA SWAMY

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EDUCATION

University of Florida, Gainesville, USA   **August 2023 - May 2025**
Master of Science in Computer Science (Received Academic Achievement Award)   GPA: **3.96/4.0**

REVA University, Bangalore, India   **August 2015 - August 2019**
Bachelor of Technology in Electronics and Communication   GPA: **9.05/10**

TECHNICAL SKILLS

- **Languages and Frameworks:** JAVA, Python, Go, JavaScript, C++, Spring boot, Angular, Ionic.
- **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, Junit, Oracle Database, Apache ActiveMQ, JFrog, SonarQube, Grafana.

WORK EXPERIENCE

United Parcel Service, Parsippany, USA   **Operation Technology Intern**   **June 2024 – Present**
- Designed and integrated a new algorithm into the microservices architecture to **group packages** with similar addresses, reducing **delivery trips by 25%**.
- Led the migration of microservices communication protocol from **Open Wire SSL to AMQPS** to enhance security and improve performance.
- Developed an image search engine for overgoods during a **hackathon**, utilizing Computer Vision and Convolutional Neural Networks (CNN) to enable efficient identification and categorization of lost items.

Boeing, Bangalore, India   **Full Stack Developer**   **May 2022 - August 2023**
- Programmed and maintained a robust web-application, "**MyBoeingFleet",** employing **Java, Angular, Spring boot, Azure, Kubernetes, Splunk, and Oracle Database** resulting in 35% reduction in application load times, significantly enhancing overall performance.
- Spearheaded the migration from a monolithic to microservices architecture using **Kafka, Java, Oracle Database, and Spring Boot, achieving a 40%** improvement in system scalability.
- Migrated services from Tomcat servers to **Kubernetes, realizing a 50% timesaving** in application deployment, resulting in expedited releases and heightened system agility.
- Implemented **serverless architecture** by developing and deploying **Azure Functions** to automate specific business processes, resulting in a 30% reduction in infrastructure costs and improved scalability for event-triggered workloads.

Cognizant, Pune, India   **Associate Software Engineer**   **October 2019 - April 2022**
- Worked as a consultant for **United Parcel Service** and advanced the **Order Management System** application for UPS using Java, Angular, Spring Boot, SQL Server, OpenShift, and Apache ActiveMQ technologies.
- Collaborated to work on crucial projects including **'Intercept and Instructions', 'OnDemand'**, and **'Smart Pickups',** resulting in transformative improvements in package interception, customer scheduling, and pickup efficiency. These projects collectively led to a substantial **35% increase in operational agility**, reinforcing our commitment to delivering exceptional services.
- Created the **Peak Metrics Dashboard**, streamlining report generation during peak delivery seasons utilizing log insight APIs. Reduced manual hours by 40%, amplifying operational efficiency.

ACHIEVEMENTS

- **Automated Savings** (January 2022): Executed the development of an automated package pickup time solution for **UPS**, resulting in **1.7 million 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.
- **Team Award (**September - October 2021): Received the AMBER Team P&R Q3 2021 Award for outstanding **teamwork** and **collaboration**.

LEADERSHIP ROLES

- **Cognizant, Interim Lead (November - December 2021):** Led a team at Cognizant in the absence of the team lead, handling client interactions and product deployments.