

PHANI SAI RAM MUNIPALLI

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Graduate Software Engineering Student with proven **Software Development experience of 4 years** at IBM and Walmart by delivering 8 projects in collaboration with more than 5 teams of 50+ members, worked primarily in areas of Full-Stack Web Apps, Java, J2EE, Microservices, Enterprise Integration, Cloud Computing & Distributed System Architecture.

TECHNICAL SKILLS

- Programming: Java, Python, React (ReactJS), Node (Node.js), PHP
- Java & JEE: JDBC, JPA, Web Services (REST & SOAP)
- Frameworks: Apache Camel, Kafka, Spring Integration, IOC, MVC, Boot, Hibernate
- Web Technologies: HTML, CSS, Bootstrap, JavaScript, jQuery, NextJS
- Databases: MySQL, MongoDB (NoSQL), Microsoft SQL, PostgreSQL
- Tools: Maven, Jenkins, Splunk, Swagger, IntelliJ, Git, JMeter, Cucumber
- Architectures: Message-Driven, Microservices, Distributed, Middleware, Onion
- Operating Systems: Windows, MacOS, Linux/Unix

EDUCATION

- Master of Science in Software Engineering - San Jose State University, California (Aug 2022 - May 2024)
- Bachelor of Technology in Computer Science - NRI Institute of Technology, India (Aug 2013 - May 2017)

WORK EXPERIENCE

Software Engineer II | Walmart Global Tech, Chennai, Tamil Nadu, India (June 2020 - July 2022)

- Modeled an Enterprise Service Bus (ESB) for eCom orders **carrying 40+ routes between 9 different systems**.
- Launched WFS (Walmart Fulfillment Services) **enabling the 2 day delivery** across the USA.
- Programmed Python scripts **handling more than 2 million records** of inventory adjustments every day.
- Achieved and exceeded the target by **processing 7 million files during Thanksgiving** week of 2021.
- Improved product performance, optimized 8 SQL queries by evaluating Query Plans with indexing strategies.
- Re-engineered more than 20 APIs by **reducing overall response time by 43%**.
- Developed **16+ scalable Microservices** by executing Event Sourcing Patterns, Domain-Driven Design, and Test-Driven Development (TDD) methodologies.

Application Developer | IBM, Bengaluru, Karnataka, India (March 2018 - June 2020)

- Implemented transformation of **14 Monolithic applications to the Microservices Ecosystem**.
- Built 20+ REST APIs and enhanced 10 SOAP Web Services with Pub-Sub data models.
- Orchestrated CI/CD pipelines by **boosting 4x times faster deployments** into Google Cloud with Kubernetes.
- Strengthened **code quality and security to 92%** by fixing critical bugs at multiple codebases using SonarQube.
- Participated in weekly design discussions and built a Knowledge Hub of 10 feasible solutions.
- Directed system test plans and production deployments **by ensuring 99% success releases**.

PROJECTS

- Rx Audit Tracker - Walmart Pharmacy. (Feb 2022 - May 2022)
 - Engineered System Design to visualize Pharmacy ASNs data sent by 100s of vendors across the USA.
- ESB-WFS (Walmart Fulfillment Services). (June 2021 - Jan 2022)
 - Revamped Enterprise Service Bus with 40+ routes carrying data between multiple upstream and downstream systems via MQs, Kafka and SFTP modes.
- Global Delivery Management (GDM). (Dec 2020 - May 2021)
 - Identified and assessed 15 weak Query Execution Plans.
 - Optimized 6 Purchase Order Management APIs by renovating indexing strategies.

AWARDS: Bravo Award (Walmart) | Two Innovation Awards (Walmart) | Brighter Blue (IBM)