

PHANI SAI RAM MUNIPALLI

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EDUCATION

SAN JOSE STATE UNIVERSITY

Master of Science in Software Engineering

Relevant Coursework: Cloud Technologies (AWS), Enterprise Software Platforms, Virtual Technologies, Distributed Systems.

San Jose, California

Expected May 2024

WORK EXPERIENCE

WALMART GLOBAL TECH

Software Engineer II

Chennai, India

Jun 2020 – Jul 2022

- Designed an Enterprise Service Bus (ESB) for online orders, devised 40+ camel routes across 9 internal systems utilizing Kafka.
- Launched Walmart Fulfillment Services (WFS) successfully, **achieved 2 day delivery** for 60% of nationwide orders in the USA.
- Programmed **5 reusable Python scripts** for on-premise to Azure migration, **processed 2M+ orders** during Thanksgiving 2021.
- Reduced p99 latency by 32%** by re-engineering 8 REST APIs of invoice product, used by associates at 23 Distribution Centers.
- Analyzed 4 SQL Query Execution Plans for optimizing Pharmacy data search, **minimized response time to 20ms** from 350ms.
- Developed 16+ scalable Microservices by executing Event Sourcing Patterns and Test-Driven Development methodologies.
- Awards: Bravo Award | 2 Innovation Awards | 2 Speedster Badges.

IBM

Software Engineer

Bangalore, India

Mar 2018 – Jun 2020

- Transformed Monolithic application into Backend Microservices Architecture, **increased user satisfaction by 27%** in 3 months.
- Built 7 CI/CD pipelines for automating deployments into Google Cloud, **expedited by 4x times** using Jenkins and Kubernetes.
- Collaborated with 12 System Designers for organizing weekly tech talks, **ranked in top 5% of 200 engineers** of the year.
- Improved code quality by **fixing 5 critical bugs** in 3 core codebases integrating SonarQube, **achieved 92% security metric**.
- Initiated a central Test Suite Health Ecosystem by creating 70+ Unit Tests, **saved 18 hrs of manual debugging** per week.
- Researched and coded Micro Frontends UI for a customized Salesforce app experience to users, **lowered build costs by 73%**.

PROJECTS

- Subspire ([GitHub](#)): Subscriptions Management Dashboard | RDS, EC2, Cognito, CodeStar, CloudFront, JSON Nov 2022
- InSearch ([GitHub](#)): Object Detection API | Serverless Framework, AWS Lambda, S3, Rekognition Oct 2022
- QR Saver ([GitHub](#)): QR Code Files Saver | Embedded JavaScript, Bootstrap, Express, AWS **DynamoDB** Oct 2022
- ISO-SJSU (isosjsu.com): Campus Updates | React.js, Next.js, Node.js, MongoDB, UX/UI Design Sep 2022
- Rx Audit Tracker: ASN Analytics Dashboard | Event-Driven, Scripting, React, Azure File Share, SFTP May 2022

LEADERSHIP

INDIAN STUDENTS ORGANIZATION (San Jose State University)

Aug 2022 – Present

Chief Coordinator - Information Technology & Web (Volunteer)

- Leading a web product using MERN stack to engage 1000+ Indian Students in collaboration with 50 committee members.
- Directing the team of 8 students to drive distributed development by merging data from 6 different services on-campus.

SKILLS

- Programming: Data Structures and Algorithms, C, C++, **Java**, JavaScript, Python, Node, PHP.
- Web Technologies: HTML5, CSS3, Bootstrap5, jQuery, NextJS, **React** (ReactJS), Angular, JDBC, JPA, **REST**, SOAP.
- Databases: MySQL, SQLite, MSSQL, **PostgreSQL**, NoSQL, Oracle DB.
- Cloud Computing: Amazon Web Services (S3, Elastic Beanstalk, CloudWatch), Azure Blob Storage.
- Frameworks: Apache Camel, **JUnit**, Kafka, MQ, **Spring** Boot, Integration, IOC, MVC, Hibernate..
- Tools: Maven, **Jenkins**, Splunk, Swagger, IntelliJ, **Git**, GitHub, JMeter, Cucumber, Ansible, Jira.
- Operating Systems: Windows, MacOS, **Linux**/Unix.
- Concepts: Software **Development** Life cycle, Design Patterns, OOP, Computer Science, **Agile** Methodologies, Jira.

CERTIFICATIONS & TRAINING

JMeter: Performance and Load Testing | Microsoft Teams Bot Development | Product Management