PHANI SAI RAM MUNIPALLI

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EDUCATION

SAN JOSE STATE UNIVERSITY — San Jose, CA
Master of Science in Software Engineering (GPA: 3.9/4.0) — Expected May 2024
Relevant Coursework: Cloud Technologies (AWS), Enterprise Software Platforms, Distributed Systems.
Chief Coordinator of IT & Web - Indian Students Organization | Finalist of Silicon Valley Innovation Challenge 2022.

WORK EXPERIENCE

WALMART GLOBAL TECH — Chennai, India
Software Engineer II (Supply Chain Lifecycle Solutions) — Jun 2020 – Jul 2022

- **Achieved 2-day delivery for 60%** of nationwide online orders in the US through the launch of Walmart Fulfillment Services (WFS) by designing and implementing an Enterprise Service Bus (ESB) of **40+ camel routes**.
- Boosted processing speed with 2M+ orders every day during the week of Thanksgiving 2021 for on-premise to Azure storage migration by programming reusable Python scripts and launched as a product.
- **Reduced p99 latency 32%** by re-engineering 8 REST APIs of invoice products, used by associates at 23 distribution centers.
- Identified and **analyzed 4 SQL Query Execution Plans** for optimizing read and write performance on database, minimized service response time from 350ms to 20ms and created 5 documents explaining indexing strategies.
- **Ranked in top 5% of 70 engineers** in a year, developed 16+ scalable Java Microservices by executing Enterprise Integration, Event Sourcing Patterns and Test-Driven Development methodologies.
- Mentored 3 junior engineers and modeled a real-time data compliance tracker that **saved operational costs by 34%**, and improved data accuracy by 53%.

IBM — Bangalore, India
Software Engineer (AT&T Revenue Generation Cloud SaaS) — Mar 2018 – Jun 2020

- **Increased user engagement rate by 27%** in 3 months by transforming a monolithic application to a backend microservices architecture and revamped UX/UI using Angular on frontend.
- Improved code quality by **fixing 5 critical bugs** in 3 core codebases integrating SonarQube, **achieved 92% security metric**.
- Built 7 CI/CD pipelines for automating deployments in Google Cloud, **expedited by 4x times** using Jenkins and Kubernetes.
- **Lowered build costs by 73%** for a customized Salesforce app by researching and coding micro frontends UI, utilizing multiple web technologies such as Angular, JavaScript, Node (Node.js), and PostgreSQL.
- Collaborated with 5 engineers and 12 System Designers for organizing weekly tech talks, streamlined application setup templates into GitHub by adapting Maven, Spring Boot (IOC, MVC), JUnit, and PostgreSQL.
- Initiated a central Test Suite Health Ecosystem by creating 110+ Unit Tests, **saved 18 hrs of manual debugging** per week.

PROJECTS

- TeamZone (GitHub): An **Enterprise Social Media** to share team bonding activities among companies. — Dec 2022
  Frontend: React, NextJS, Babel, CSS3 | Backend: NodeJS, Express.js | Database: Atlas MongoDB | Cloud: Heroku
- Subspire (GitHub): Subscriptions Management Dashboard is an innovative product with analytical charts. — Nov 2022
  Frontend: React, ReCharts, TailwindCSS | Backend: Node.js, Express | Cloud: AWS (S3, EC2, RDS, CloudFront).
- InSearch (GitHub): Object Detection API helps developers to retrieve scene details **with less compute power**. — Oct 2022
  Tech Stack: Serverless Framework, AWS Lambda, S3, Rekognition, CloudWatch
- QR Saver (GitHub): QR Code Files Saver is **a Cloud SaaS solution** to store all of your QRs at one place. — Oct 2022
  Academic Project: Embedded JavaScript, Bootstrap, Express, AWS DynamoDB
- ISO-SJSU (isosjsu.com): Campus Updates | React.js, Next.js, Node.js, UX/UI Design — Sep 2022
- Rx Audit Tracker: ASN Analytics Dashboard | Event-Driven, Scripting, ReactJS, Azure File Share, SFTP — May 2022

ADDITIONAL INFORMATION

- Operating Systems: Windows, MacOS, **Linux**/Unix.
- Tools: Maven, **Jenkins**, Splunk, Swagger, IntelliJ, **Git**, GitHub, JMeter, Cucumber, Ansible, Jira.
- Skills: Data Structures and Algorithms, C, C++, Java, Python, MySQL, NoSQL, HTML5, CSS3, JPA, SOAP.
- Concepts: Software **Development** Life cycle, Design Patterns, OOP, Computer Science, **Agile** Methodologies, Jira.
- Certifications: JMeter: Performance and Load Testing | Microsoft Teams Bot Development | Product Management.