

# Malla Reddy

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## Summary

Senior Software Engineer with 7+ years of experience designing scalable backend systems, distributed microservices, and integrations across cloud-native platforms.

## Experience

### ServiceNow

*Senior Software Engineer (IC3)*

*June 2024 – Present*

- Leading development of vulnerability response applications used by ServiceNow customers to manage and remediate security threats at scale, handling over 300M vulnerable items.
- Designed and optimized scalable back-end services capable of handling 1,000 reads/sec and 95 writes/sec, supporting real-time vulnerability detection and response workflows.

### Sortly

*Senior Software Engineer*

*September 2022 – May 2024*

- Led integration with Slack and Microsoft Teams, enabling real-time inventory notifications for 2,000+ active users.
- Built QuickBooks integration through Apideck, allowing purchase orders and invoices to be generated and synced within Sortly, reducing integration effort by 30% and improving time-to-market.

### Joveo

*Senior Software Engineer*

*March 2021 – August 2022*

- Led revamp of a legacy monolithic system into modular microservices, improving deployment agility and maintainability.
- Built a critical microservice enabling customers to post jobs via a package-centric model; handled 100 reads/sec and 4 writes/sec in production.

### Quanteon Solutions

*Software Engineer*

*April 2019 – Feb 2021*

- Developed resume parser using NLP and rule-based extraction with 70% accuracy, processing 10,000+ resumes per month and reducing recruiter effort by 60%.

### Mihup

*Software Engineer*

*June 2018 – March 2019*

- Built Speech-to-Text (STT) and Automatic Speech Recognition (ASR) systems in C++ using the Kaldi toolkit, targeting Indian languages and accents.
- Achieved 65% diarization accuracy on multi-speaker datasets and reduced Word Error Rate by 20% through acoustic model optimizations.

## Skills

**Languages:** Java, Python, C++, JavaScript

**Frameworks:** Spring Boot, Django, Node.js

**Databases:** PostgreSQL, MySQL, MongoDB

**Tools:** AWS (S3, SQS, Lambda, EventBridge), Docker, LocalStack, Kafka

**Concepts:** System Design, Event-driven Architecture, REST APIs, Design Patterns.

## Projects

### Local AWS Architecture Emulation Using Docker and LocalStack

*Nov 2022*

- Designed and implemented a Docker-based local AWS architecture using LocalStack to replicate production-like cloud services in a local environment.
- Emulated AWS services such as S3, SQS, Lambda, and EventBridge, enabling local testing of event-driven microservices without external AWS infrastructure.
- Reduced onboarding time from 4+ hours to under 20 minutes and cut feedback loops by 40% at Sortly.

## Education

**Indian Institute of Information Technology, Kalyani**

B.Tech in Computer Science and Engineering, CGPA: 8.92, Graduation Year: 2018

## Achievements

- Qualified for the ACM-ICPC Regionals in both 2017 and 2018. [ICPC Profile](#)