

# ROHIT UDAY VARDAM

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## EDUCATION

### San Jose State University

August 2023 – May 2025

*Master of Science - Software Engineering*

*San Jose, United States*

**Courses:** Distributed Systems, Database Systems, Software Engineering Processes, Data Mining

### University of Mumbai

September 2017 – June 2021

*Bachelor of Engineering - Computer Engineering*

*Mumbai, India*

**Courses:** Data Structures & Algorithms, Computer Networks, Operating Systems, Machine Learning

## EXPERIENCE

### Software Engineer II

January 2022 – August 2023

*Ultra Servers Pte. Ltd.*

*Singapore*

- Designed an extensible notification system that cut integration time for new channels from 2 weeks to 3 days, enabling faster feature delivery.
- Implemented PostgreSQL queries with indexes on high-traffic server data, delivering reliable metrics to dashboards and enhancing developer response to system issues.
- Reduced API latency under peak traffic by 30% by tuning pod resource requests/limits, enabling autoscaling for an Nginx API gateway on Kubernetes running across Linux servers.
- Created Dockerized services for integration testing in CI/CD, giving developers consistent environments and cutting environment-related test failures by 40%.
- Led code reviews and intern mentorship, raising team productivity and shortening feature delivery cycles.

### Software Engineer I

June 2021 – January 2022

*SlashN Services Pte. Ltd.*

*Singapore*

- Designed Domain Driven architecture for a virtual server deployment system, defining bounded contexts and aggregates to enable scalable feature growth.
- Built a JWT auth service with refresh tokens and middleware, replacing session cookies to enable stateless, secure access for web, mobile, & microservices.
- Improved observability by integrating OpenTelemetry with Grafana dashboards and alerts, enabling end-to-end tracing and cutting debugging time for developers.

### Software Engineering Intern

December 2020 – May 2021

*SlashN Services Pte. Ltd.*

*Singapore*

- Delivered a 5x performance increase in the server monitoring tool by migrating the port scanning and message dispatch loop from Python to C++ with PyBind.
- Owned a CI/CD pipeline producing Alpine-based Docker images, integrating security scanning and dependency checks to enforce compliance and reduce risk in production releases.
- Fixed React copy-to-clipboard bug with standardized API usage and fallback implementation, ensuring reliable cross-browser functionality and improving user experience.

## SKILLS

**Languages:** Go/Golang, Python, C++, JavaScript, HTML, CSS, TypeScript, Bash, SQL(Postgres)

**Frameworks:** Node.js, Express.js, React.js, FastAPI, Django

**Tools & Technologies:** Git, GitHub Actions, Postman, Docker Compose

**Platforms:** Docker, Kubernetes, Linux, Windows, AWS EC2, AWS S3, AWS DynamoDB

## PROJECTS

### shinkro: Real-Time Media Tracking

March 2023 – Present

*Open Source*

[GitHub](#)

- Developed a full-stack RESTful web app using Go and TypeScript that automates synchronization between Plex Media Server and MyAnimeList, distributed as a lightweight Docker image with 38,000+ downloads
- Built a thriving open-source community with 14+ contributors and 65+ stars across repositories by implementing feature requests, fixing bugs, and iterating constantly to ensure great end-user experience

### shinkrodb: Automated Metadata Consolidation Pipeline

July 2023 – Present

*Open Source*

[GitHub](#)

- Built a data pipeline that consolidated metadata from multiple online databases into canonical JSON by automating ingestion, enrichment, and deduplication, to deliver fully reproducible datasets end-to-end
- Designed a resilient web scraping + API integration stack to reliably refresh and enrich titles at scale, boosting match completeness and data quality by reducing scrape failures