

HARSH VARDHAN ANDE

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SKILLS

Languages: C, C++, Go, Python, Bash, Java, JavaScript, NodeJS, React, HTML, CSS

Frameworks: gRPC, Django, Spring Boot, Nginx, Angular, Helm

Databases: MySQL, PostgreSQL, MongoDB, Redis, etcd, Zookeeper, TiDB, Ceph

Automation & Version Control: Ansible, Jenkins, GitHub Actions, Git, Jira

Cloud & Container Orchestration: AWS, GCP, Linux, Docker, Kubernetes, Microservices

Other tools: Prometheus, Grafana, RabbitMQ, GraphQL, Kafka

EXPERIENCE (4.5+ years)

Flipkart (acquired by Walmart) — Senior Software Engineer

Feb 2021 – Jan 2023

- Implemented APIs to deploy MySQL and TiDB database clusters across multiple data-centers, to achieve 0 recovery time during a data-center level disaster, and ensure 99.99% uptime.
- Automated MySQL database cluster operations, including Hotstandby promotion, version upgrades, and configuration updates, saving 400 man-hours weekly for 200+ teams and enabling them to focus more on core business logic.
- Streamlined deployments for 3 teams by dockerizing applications and building a generic CI/CD pipeline for Kubernetes deployments. This resulted in a 40% reduction in hardware utilization and tripled deployment frequency, enabling faster delivery of features.
- Increased reliability of slave rebuilds for large MySQL database clusters (>3TB) by 75% through collaboration with the Percona MySQL team.

Flipkart (acquired by Walmart) — Software Engineer

Jul 2019 – Jan 2021

- Developed a plugin for taking backups from TiDB database clusters, facilitating a 20% increase in the adoption of TiDB across the organization.
- Built an extensible hardware fault detection platform for detecting disk failures across the data center, reducing the mean time to acknowledge faults from 2 days to under 2 hours.
- Established SLAs and streamlined JIRA workflow, achieving a 33% reduction in mean time to close P1 issues and improving customer experience significantly.

Reliance Jio — Software Development Intern

Jan 2019 – Jun 2019

- Developed an internal admin tool to curate content for the MyJio mobile application, reducing content administration time by 50% (from 20 hours to 10 hours per week) and reduced chances for errors in input by 90%.

EDUCATION

San Jose State University, San Jose, CA

Jan 2024 – Dec 2025

M.S. in Software Engineering

BITS Pilani Goa Campus, Goa, India

Aug 2015 – Jun 2019

B.E (Hons) in Computer Science

PROJECTS

- **Paxos Made Moderately Complex** – Implemented a variant of PMMC algorithm using Java as part of Distributed Systems course, gaining practical experience developing distributed consensus protocols.
- **Multilingual Chat Application** – Developed an Android chat application supporting text and speech input in 8 Indian languages. This app bridges the language gap in India, allowing users who don't share a common language to communicate effectively.