

Prajwal P

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Technical Skills

Languages:	Java, Python, Go, TypeScript, C, SQL, Bash
Computer Science Foundations:	Object-Oriented Design, Algorithms, Data Structures, Complexity Analysis, Problem Solving
Systems & Networking:	Linux/Unix, TCP/IP, System Calls, IPC, Distributed Systems, Network Protocols, ZFS, KVM
Infrastructure:	Docker, Podman, Terraform, Ansible, SaltStack, Prometheus, Grafana, ELK Stack, Vector
Tools & Frameworks:	Git, Kafka, RMQ, Nginx, GlusterFS, Microservices, Agile Methodologies

Experience

Software Engineer (SRE) *July 2024 Present*
PhonePe, Bengaluru

- Managed and scaled TeraByte-scale distributed datastores, including MariaDB, and Aerospike, to support more than 500 million users.
- Built monitoring / alert pipelines in Python for Elasticsearch, reducing outages by 20%.
- Designed the OS patch validation system, improving the patch cycle by 80% with zero downtime.
- Built Prometheus service discovery in Go, scaling 1000+ nodes with no manual effort.
- Developed real-time Nginx log analytics (100K+ req/min), reducing MTTR by 70%.
- Designed monitoring scripts & runbooks for GlusterFS and core infra.
- Supported production through on-call rotations and incident handling.

Engineering Intern (SRE) *Feb 2024 June 2024*
PhonePe, Bengaluru

- Built centralized Nginx logging with Loki + Vector across clusters.
- Automated provisioning with Terraform + Ansible, reducing deployment time by 70%.
- Created Grafana dashboards and alerts for production observability.

Key Projects

GoCluster Distributed Cluster Manager *github.com/prajwalprakash3722/gocluster*
Open Source

- Built a plugin-based job orchestrator in Go for 100+ nodes.
- Implemented peer discovery, leader election, and resilient scheduling.

Satori Infrastructure Optimization Tool
Internal Tool

- Designed monitoring for 10K+ servers; flagged underutilized resources.
- Correlated infra usage with business metrics, such as sudden spikes, to enable cost savings.
- Live dashboards and actionable reports delivered.

Education

R. V. College of Engineering *2020 2024*

B.E. in Computer Science (First Class with Distinction)

- Achievements:** Winner, IOT Hackathon BIT (2022); Shanta Radha Krishna Award recipient
- Leadership:** Vice Chair, IEEE Computer Society Organized tech events and led projects

Last updated: June 2025