Prajwal P

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Experience

Site Reliability Engineer *July 2024 - Present*
PhonePe, Bengaluru

- Architected multi-stage distributed patch validation framework reducing OS patching time by 80% with zero production incidents
- Developed Go-based service discovery automation for Prometheus, scaling to 1000+ nodes with automatic registration
- Built real-time Nginx log analysis pipeline processing 100K+ requests/min, reducing MTTR by 70% for automated deployments
- Built GlusterFS monitoring framework and detailed runbooks
- Involved in oncall rotations and incident response, maintaining critical production systems

Site Reliability Engineering Intern *Feb 2024 - June 2024*
PhonePe, Bengaluru

- Designed centralized Nginx logging using Prometheus and Vector, monitoring for production clusters
- Automated infrastructure provisioning reducing deployment time by 70%
- Implemented active monitoring with custom Grafana dashboards and alerting pipelines

Key Projects

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

- Built lightweight distributed cluster manager in Go handling 100+ node clusters with automatic failover
- Implemented plugin-based operator system with UDP-based node discovery and leader election

Real-Time Bus Tracking System *2023 - 2024*
System Design Project

- Engineered scalable backend processing real-time GPS data from 100+ connections using Kafka
- Optimized performance through efficient PostgreSQL schema design and caching

Technical Skills

Systems & Network: Unix/Linux Administration, TCP/IP Stack, Network Protocols, System Calls & IPC, Filesystems (ZFS), Distributed Systems
Infrastructure: Docker, Kubernetes, Terraform, Ansible, AWS, Prometheus, Grafana, Vector, ELK Stack
Languages: Go, Python, C, Java, TypeScript

Education

R. V. College of Engineering *2020 - 2024*
B.E. Computer Science, First Class with Distinction

- **Notable Achievements:** IOT Hackathon Winner at BIT (2022), Shanta Radha Krishna Award
- **Leadership:** IEEE Computer Society Vice Chair - Led technical events and projects