

NIMISHA G J

SUMMARY

Software Engineer | DevOps Engineer | SRE with experience in building and operating scalable observability platforms, infrastructure automation, and production systems. Skilled in Terraform, Kubernetes, CI/CD, and telemetry pipelines, with a strong focus on reliability, incident response, and system performance. Experienced in managing multi-tenant production environments and reducing incident resolution time through observability-driven solutions.

Work Experience

Software Engineer at Infracore (June 2024 – Present):

Observability Platform

- Built Model Context Protocol (MCP) servers enabling AI agents to query telemetry data programmatically.
- Onboarded 4+ clients from scratch to production, designing scalable and reusable infrastructure patterns.
- Designed and deployed telemetry data pipelines enabling scalable observability access across distributed systems.
- Built a Living Knowledge Base that reduces Mean Time to Identify (MTTI).
- Managed production workloads across 4+ clients and 50+ services, ensuring high availability, performance, and rapid incident resolution.
- Built a declarative SLI/SLO monitoring framework using Grizzly, enabling clients to define API alert rules (latency, error rate) as code with team-based YAML specs and automated deployment to Grafana.

Indian Stockbroking Firm

- Designed, planned, and executed a database of schema migration on a live database with 90,000 records, ensuring a smooth transition, data integrity, and adherence to normalization rules.
- Built backend REST APIs that allow users to check pending vehicle challans and check Pollution Under Control Certificate (PUGC) expiry for vehicles.

Software Engineer Intern at Infracore (January 2024 - April 2024):

Raspberry Pi Net booting

Tech Stack: Linux, Networking, Bash Scripting

- Contributed to a project involving PXE boot for Raspberry Pi, focusing on networking and automation.
- Automated infrastructure provisioning workflows using Bash scripting and Linux networking for PXE-based systems.
- Published technical documentation and blogs detailing the PXE boot setup for Raspberry Pi.

Reimbursement Application

Tech Stack: React, Postgres, GitHub Actions, Terraform, Ruby on Rails

- Enabled employees to report the costs on the go.
- Enhanced the existing Payout workflow.
- Simplified reimbursement management for admins.
- Implemented robust security measures to protect sensitive financial data.
- Built a feature to allow customization of expense categories to align with company policies.

Payout Management System

Tech Stack: SQLite, GitHub Actions, Terraform, Ruby on Rails.

- Implemented Single Sign-On (SSO) integration and dynamic user roles to streamline payment submissions.
- Designed and deployed infrastructure using Infrastructure as Code (IAC) and Immutable Infrastructure Practices.

Open-Source Contributions

- Built reusable Infrastructure-as-Code modules using Terraform to standardize cloud resource provisioning such as [aws_organizations](#), [s3_dynamodb_backend](#).
- Fixed a missing null check in [pgmetrics](#), improving stability and preventing runtime errors in edge cases.
- Contributed to [OpenTelemetry Weaver](#) by adding MUSL-based static binary targets (x86_64, ARM64) to the release pipeline, enabling portable builds compatible across diverse Linux distributions.

Side Projects

- [AgentSwap](#) (Rust) - CLI tool to transfer conversation history between AI coding agents (Claude Code, Gemini CLI, Codex CLI), enabling seamless context migration across tools.
- [AWS Radar](#) (Go) — Lightweight monitoring agent that discovers AWS resources across all regions and expose count as Prometheus metrics, with ClickHouse and Grafana integration.
- [cpbrd](#) (Shell) — Simple CLI clipboard manager for quick copy-paste workflows from the terminal.

Public Speaking and Writing

- Talk on Git Internals and LFS
- Authored multiple blogs on Terraform, Observability, MCP, Kubernetes available at [infraspec.dev/blog](#), [base14.io/blog](#), [nimishgj.com](#)
- Gave a Talk on [Reducing Bus factor in observability at SRE Days Bangalore](#)

SKILLS

- **Observability:** OpenTelemetry, Grafana, Prometheus, ClickHouse, Distributed Tracing, Telemetry Pipelines, Alertmanager
- **Containers & Orchestration:** Docker and Kubernetes
- **DevOps & Cloud:** Terraform, GitHub Actions, CI/CD pipelines, AWS (EC2, S3, IAM, VPC, CloudWatch), Git, Infrastructure as Code
- **Programming Language:** Go, Ruby on Rails, Shell scripting

Education

- Gogte Institute of Technology Dec 2020 – Aug 2024 Bachelor of Engineering in Computer Science CGPA: 8.9/10

Contact

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