

HARISH R

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DevOps Engineer | SRE | Kubernetes | Terraform | CI/CD | Cloud Infrastructure | Automation Enthusiast

PROFILE SUMMARY

Versatile and performance-driven DevOps Engineer / Site Reliability Engineer (SRE) with 3+ years of proven experience building resilient CI/CD pipelines, automating infrastructure at scale, and delivering high-availability, secure cloud-native solutions across AWS and Azure. Adept at leveraging Kubernetes, Terraform, Docker, and GitOps to streamline software delivery and minimize downtime. Demonstrated success in managing microservices architectures, implementing Infrastructure as Code (IaC), and driving cost optimization through automation and cloud migration. Passionate about reliability engineering, real-time monitoring (CloudWatch, Prometheus, Grafana), and empowering teams through scalable DevOps practices. Recognized for reducing deployment time by 40% and improving system uptime through intelligent alerting and autoscaling strategies.

TECHNICAL SKILLS

Languages: Python, Shell Scripting, Node.js, C#, .NET

Cloud Platforms:

- **AWS:** Lambda, CloudWatch, EC2, ECS, EKS, S3, VPC, Route 53, ECR, Auto Scaling
- **Azure:** App Services, Azure VM, Azure AD, Function Apps, Blob Storage
- **Containerization & Orchestration:** Docker, Kubernetes, Helm
- **Infrastructure as Code:** Terraform
- **Configuration Management:** Ansible
- **CI/CD Tools:** Jenkins, GitHub Actions, Azure Pipelines, Argo CD
- **Monitoring & Alerting:** AWS CloudWatch, Prometheus, Grafana, Alertmanager
- **Build Tools:** MSBuild, .NET CLI, Maven, Gradle, Xcodebuild
- **Version Control & Agile:** Git, GitHub, Bitbucket, JIRA
- **Operating Systems:** Linux (Ubuntu, CentOS), Windows, macOS
- **Databases:** MSSQL, MySQL, PostgreSQL, Redis

PROFESSIONAL EXPERIENCE

DevOps Engineer / Site Reliability Engineer (SRE)

Feb 2022 - Present

Data Software Research Company (DSRC), Chennai

- Automated infrastructure provisioning with Terraform (remote backend via S3 + DynamoDB).
- Architected and managed Kubernetes (EKS) clusters with GitOps via Argo CD and Helm.
- Built serverless automation using AWS Lambda, reducing operational overhead by 30%.
- Deployed containerized microservices across AWS and Azure environments using Docker, ECS, and App Services.
- Streamlined build and release pipelines (GitHub Actions, Jenkins, Azure Pipelines) for .NET and Node.js applications.
- Created real-time monitoring systems with CloudWatch, Prometheus, and Grafana for application and infrastructure health.
- Managed domain routing via Route 53 and SSL/TLS configurations using ACM and Cert Manager.
- Built automated testing, coverage, and packaging for mobile apps (Flutter, React Native, Xamarin, Swift) using App Center and custom pipelines.
- Delivered internal tooling including an AI chatbot router (FastAPI), HRMS deployment automation (IIS), and internal CI/CD utilities.

PROJECT HIGHLIGHTS

Wealth Management Platform

Jul 2024 - Present

- Microservices orchestrated via Kubernetes with GitOps-driven deployments.
- Configured Route 53 DNS, custom ALB/Ingress setups, and HPA for scalable cloud-native services.
- Full observability stack with CloudWatch, Prometheus, Alertmanager, and Slack integrations.

Fleet Intelligence & Management

Mar 2022 - Present

- Led deployment of mobile/web app on Azure App Services with SSO using Azure AD.
- Automated workflow using Azure Function Apps and optimized cost by migrating legacy compute.
- Introduced infrastructure modularity and secrets handling using Key Vault.

Internal DevOps Initiatives

Mar 2022 - Present

- Built custom Slack and Skype alerting tools for failed CI/CD pipelines.
- Developed scripts for setting up mobile developer environments (macOS + Android).
- Integrated Docker with Ollama to deploy a secure AI chatbot solution for organizational use.

EDUCATION

Bachelor of Engineering – Computer Science

Aug 2018 - Aug 2022

CSI College of Engineering, Anna University – Ketti, Tamil Nadu