



BHARATH PUTTA

PROFILE SUMMARY

Results-driven SRE & AI Automation Engineer with 5+ years of experience in AWS, OpenStack, Kubernetes, DevOps, and Infrastructure Automation. Skilled in Terraform, Jenkins, GitOps, CI/CD, observability, and platform reliability engineering with expertise in building scalable and secure cloud-native environments. Experienced in AI-driven automation, MCP orchestration, ChatOps integrations, and intelligent remediation workflows using LangChain, ChatGPT, and AWS Bedrock. Proven track record in cloud modernization, Kubernetes operations, incident management, cloud security, database migrations, and improving operational efficiency through automation and reliability-focused engineering practices.

WORK EXPERIENCE

SRE & AI AUTOMATION ENGINEER

Adobe | Bengaluru
Mar 2025 - Present

- Managed cloud-native infrastructure and platform operations across AWS and Kubernetes environments.
- Implemented SRE practices focused on availability, resiliency, observability, incident management, and operational excellence.
- Developed automation frameworks using Python, Terraform, Jenkins, and AI-based tooling to improve operational efficiency and reduce manual effort.
- Managed Infrastructure as Code (IaC) standards, reusable modules, configuration management, and environment governance.
- Supported Kubernetes platform operations including deployments, scaling, release management, and cluster reliability improvements.
- Maintained CI/CD workflows and deployment automation across distributed cloud environments.
- Strengthened observability capabilities using Prometheus, Grafana, ELK Stack, CloudWatch, and New Relic for proactive monitoring and alerting.
- Implemented cloud security best practices including IAM governance, secure networking, access management, and infrastructure hardening.
- Managed infrastructure lifecycle activities including patching, system upgrades, validation, and operational readiness processes.
- Participated in production support, incident response, RCA analysis, on-call rotations, and reliability improvement initiatives.
- Collaborated with cross-functional engineering teams to improve platform scalability, stability, and operational maturity.
- Prepared operational runbooks, technical documentation, and standard operating procedures for support and knowledge management.

SENIOR ENGINEER

Hughes Systique Private Limited | Bangalore
Jan 2021 - Feb 2025

- Delivered and managed OpenStack-based cloud platforms for telecom customers including TNS, KDDI, and SoftBank, enabling scalable and highly available NFV infrastructure deployments.
- Performed platform security hardening, access control implementation, vulnerability remediation, and compliance-focused infrastructure enhancements.
- Automated cloud provisioning and orchestration using Ansible, ETSI-MANO, Tacker, Heat, and TOSCA templates, reducing deployment time and operational dependencies.
- Designed and implemented observability and monitoring solutions using Prometheus, Grafana, ELK Stack, and alerting frameworks to support 99.9% uptime and proactive incident management.

CONTACT DETAILS

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TECHNICAL EXPERTISE

- Cloud Platforms:** AWS, OpenStack
- Generative AI & Automation:** MCP, LangChain, ChatGPT, AWS Bedrock, AI Agents, ChatOps Automation
- Programming & Scripting:** Python, Shell Scripting, YAML
- CI/CD & DevOps:** Jenkins, GitOps, GitLab CI/CD
- Infrastructure as Code (IaC):** Terraform, AWS CloudFormation, Ansible
- Containers & Orchestration:** Docker, Kubernetes (EKS), Helm
- Monitoring & Observability:** Prometheus, Grafana, ELK Stack, New Relic, Amazon CloudWatch
- Security & Compliance:** AWS IAM, WAF, Infrastructure Hardening, SonarQube, Access Governance
- Databases:** PostgreSQL, MySQL, Oracle RAC, SQL, ODI, Database Migration & Replication
- Collaboration & ITSM Tools:** Jira, Slack, Microsoft Teams

ACADEMIC QUALIFICATION

BACHELOR OF TECHNOLOGY
Computer Science and Engineering
Lovely Professional University
Punjab - 2021

CERTIFICATIONS

RED HAT CERTIFIED ENGINEER (RHCE) - EX294

Certified in Red Hat Enterprise Linux administration, automation, system configuration, and enterprise infrastructure management.

CORE COMPETENCIES

- Site Reliability Engineering (SRE)
- Cloud Infrastructure Management
- AWS & OpenStack Administration
- Kubernetes & Container Orchestration
- Infrastructure as Code (Terraform, Ansible, CloudFormation)
- AI-Driven Automation & MCP Workflows
- DevOps & CI/CD Automation
- Observability & Monitoring
- Incident Management & RCA
- Cloud Security & IAM Governance
- Platform Reliability & Scalability
- Production Support & On-Call Operations
- Infrastructure Automation
- GitOps & Release Management
- Database Migration & Administration
- ChatOps & AI Agent Integration
- Operational Excellence & Process Optimization
- System Performance & Availability Management

ACHIEVEMENTS

- Selected as 1 of 14 finalists (top ~10%) out of 140+ applicants for Adobe Incubator India 2026 for "Adwork," an AI-driven ad campaign simulation platform.
- Co-designed the platform's architecture (Claude vision models, Redis, AWS Lambda) and ad-spend-based business model.

PERSONAL DETAILS

- Date of Birth : 12-06-1998
- Gender : Male
- Marital Status : Unmarried
- Nationality : Indian

- Developed AI-powered agents and enterprise chatbots using LangChain, ChatGPT, and AWS Bedrock for automated troubleshooting, infrastructure monitoring, operational insights, and policy-driven query handling.
- Integrated AI automation workflows with Jira, Slack, and Microsoft Teams to streamline ticketing, incident notifications, and operational collaboration.
- Implemented CI/CD pipelines using Jenkins and GitLab, improving deployment automation, release consistency, and delivery efficiency across hybrid cloud environments.
- Built and maintained Infrastructure as Code (IaC) solutions using Ansible and AWS CloudFormation for standardized infrastructure provisioning and configuration management.
- Led incident response activities, postmortem analysis, and reliability improvement initiatives to reduce recurring production issues and operational bottlenecks.
- Authored operational runbooks, SOPs, and automation frameworks to improve troubleshooting efficiency, knowledge sharing, and service reliability.
- Collaborated with cross-functional DevOps, Cloud, and Telecom engineering teams to optimize platform performance, scalability, and operational resilience.

KEY PROJECTS

Autonomous SRE Automation Platform using MCP & AI Workflows | Adobe | Mar 2026 – Ongoing

Project Overview:

- Engineered an AI-powered MCP orchestration platform integrating Prometheus, Grafana, and New Relic for intelligent incident automation.
- Built prompt-driven workflows for Terraform generation, automated remediation, pull request creation, and validation pipelines.
- Enabled ChatOps-based operational workflows with governance and safety guardrails.

Key Outcomes:

- Accelerated incident resolution and reduced manual operational effort.
- Improved MTTR through AI-assisted remediation workflows.
- Established a scalable foundation for autonomous SRE operations.

Enterprise AWS Infrastructure Modernization & IaC Automation | Adobe | Sep 2025 – Mar 2026

Project Overview:

- Modernized legacy AWS environments by implementing Terraform-based Infrastructure as Code for Adobe platforms.
- Automated provisioning and lifecycle management of core AWS services including EC2, RDS, IAM, SQS, SNS, and CloudWatch.
- Developed automated AMI rotation pipelines using Jenkins.

Key Outcomes:

- Reduced AMI upgrade cycles from weeks to hours.
- Eliminated configuration drift through standardized infrastructure provisioning.
- Improved scalability, deployment consistency, and operational efficiency.

Kubernetes Platform Enablement & Cloud Security | Adobe Mar 2025 – Jul 2025

Project Overview:

- Led Kubernetes (EKS) onboarding for Adobe platforms by building secure and scalable AWS infrastructure.
- Implemented secure networking, IAM controls, VPC peering, observability, and production readiness standards.
- Established monitoring and alerting mechanisms for platform reliability.

Key Outcomes:

- Enabled secure Kubernetes adoption across critical services.
- Improved infrastructure reliability and operational visibility.
- Strengthened cloud governance and security standardization.