

Bhavesh Kumar Parmar

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Summary

Cloud Engineer and DevOps Professional with expertise in optimizing AWS, Azure, and GCP infrastructures. Demonstrated success in orchestrating complex cloud migrations, automating CI/CD pipelines, and deploying AI/ML models including Large Language Models (LLMs) and RAG architectures. Skilled in Terraform, Kubernetes, and Python. Achieved 30% reduction in incident resolution times and 25% decrease in system downtime through automated monitoring and reliability engineering

Experience

Cloud Engineer

Bangalore, India

Shellkode

Feb 2025 – present

- Managed and optimized multi-cloud environments (AWS, Azure, GCP), resolving 100+ complex technical issues related to VPC networking, storage, and compute instances, ensuring 99.9% system availability.
- Engineered end-to-end migration of mission-critical systems for a medical sector client from GCP to AWS, enhancing security compliance and reducing operational costs by 20%.
- Built and deployed advanced ETL pipelines utilizing AWS S3, DynamoDB, and Lambda, processing over 10TB of data monthly with scalable multi-tenant strategies.
- Automated containerized application deployments on Amazon EC2 using AWS Systems Manager (SSM) and Docker, reducing average deployment time by 40%.
- Collaborated with the GenAI team to deploy 5+ AI models on cloud infrastructure, supporting 1,000+ daily API requests for LLM and RAG applications.
- Spearheaded a knowledge-sharing initiative within the Managed Service Provider (MSP) team, resulting in a 30% reduction in mean time to resolve (MTTR) for support tickets.

Projects

Automated Multi-Cloud DevOps Infrastructure

End-to-end CI/CD automation pipeline on AWS.

- Established a fully automated CI/CD pipeline utilizing Terraform (IaC), Ansible, Jenkins, and Kubernetes (EKS), reducing build times by 40%.
- Integrated SonarQube for code quality analysis and JFrog Artifactory for artifact management, increasing test coverage by 35% and ensuring secure builds.
- Configured Prometheus and Grafana for real-time monitoring and alerting of the Kubernetes cluster, improving incident response time by 50%.
- Achieved a 60% reduction in release deployment time by automating infrastructure provisioning, testing, and deployment phases.

Multi-Account AWS Resource MCP Server

AI-powered terminal assistant for rapid cloud inventory querying.

- Architected a Model Context Protocol (MCP) server mapped to the terminal, enabling natural language queries for resource usage across 15+ AWS child accounts.
- Implemented secure read-only access using master account credentials to scan organization-wide inventory, reducing search time from minutes to under 30 seconds.
- Streamlined operational workflows by automating the identification of IP addresses, access permissions, and resource locations, saving approximately 10 hours of manual work per week.

Skills

Cloud Platforms: Amazon Web Services (AWS EC2, S3, Lambda, VPC, RDS, IAM, CloudWatch), Microsoft Azure (VMs, Monitor), Google Cloud Platform (GCP), OpenStack

DevOps & Tools: Terraform, Ansible, Docker, Kubernetes (EKS, AKS), Jenkins, Git, GitHub Actions, GitLab CI/CD, SonarQube, JFrog, AWS CodePipeline

Security & SecOps: Azure Security Center, AWS Security Hub, Sentinel, SecOps, IAM (Azure AD/Entra ID), Policy & Governance, WAF, Network Security

Monitoring & Observability: Grafana, Prometheus, Elastic Stack (ELK), Azure Monitor, Amazon CloudWatch

Networking: DNS (Route53), TCP/IP, VPC Peering, Transit Gateway, VPN, CDN (CloudFront), ELB/ALB, SSL/TLS, Subnetting

AI & Machine Learning: Generative AI, LLMs (GPT-3, Gemini), RAG, LangChain, LangGraph, Hugging Face, AWS Bedrock, MLOps, Model Deployment

Programming & Scripting: Python, SQL, Java, Bash/Shell Scripting, YAML, HCL, Kotlin

Technical Competencies: Cloud Migration, Infrastructure as Code (IaC), Serverless Architecture, IAM, Linux Administration, System Architecture, Project Management

Certifications: AWS Certified Cloud Practitioner, Oracle AI Vector Professional Certified

Education

JIET Jodhpur

Aug 2020 – May 2024

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Leadership and Extracurricular

President, JIET Student Council

- Led a student body of 150 members, organizing 7 major technical and cultural events.
- Secured ₹20 Lakh in corporate sponsorships, demonstrating strong negotiation and stakeholder management skills.

Secretary, CSE Department

- Orchestrated 10+ departmental events, including hackathons and career fairs, resulting in a 40% increase in student participation and improved student-faculty engagement scores by 25% based on survey responses.