

Akhil Gupta

Dallas, Texas

<https://www.linkedin.com/in/akhil-g-0182a1146>

Professional Summary

Senior Platform Solutions Architect with 13+ years of experience designing scalable, high-performance cloud infrastructure. Proven expertise in architecting solutions for mergers and acquisitions, infrastructure reliability, CI/CD automation, and cloud modernization. Experienced in leading technical teams, driving GenAI initiatives, and ensuring compliance and security across enterprise cloud environments.

Technical Summary

- Cloud Platforms: AWS (EC2, S3, EBS, EFS, RDS, VPC, Organizations, CloudFormation, CloudWatch, Storage Gateway, CloudTrail, ECS, EKS, Route 53, Workspaces, Service Catalog, Sagemaker Unified Studio)
- DevOps & CI/CD: Jenkins, BitBucket, Artifactory, Kubernetes
- Operating Systems: Linux (Red Hat)
- Observability Tools: SignalFx, Splunk, CloudWatch
- Networking: DNS, TCP/IP, Load Balancing, Squid Proxy
- Security & Compliance: AWS IAM, CloudHSM, AWS Config, AWS Organizations, KMS, Secrets Manager, ACM, Wiz
- Programming: Python, Bash

Professional Experience

Novartis (HCL America), Dallas, Texas

January 2022 – Present

Senior Platform Architect

- Architected multi-tenant cloud frameworks combining serverless and dedicated resources, enabling access to over 100 services with tight security guardrails.
- Led AWS infrastructure split for a major pharmaceutical spin-off, enabling independent cloud operations.
- Reduced AWS account provisioning time by 71% using CI/CD and CloudFormation StackSets.
- Built CI/CD infrastructure with Jenkins on ECS (Docker) in a control-worker model, improving development efficiency by 70%.
- Integrated AWS Macie with Service Catalog for enhanced data security and streamlined access.
- Deployed GenAI use cases using AWS Bedrock, SageMaker Studio, and Knowledge Bases.
- Engineered a secure third-party data transfer system using S3, SQS, and virus scanning on spot instances.
- Improved system reliability through SignalFx, CloudWatch, and AWS X-Ray for full-stack observability.
- Deployed Wiz CNAPP for proactive threat detection and risk management in multi-cloud setups.

Novartis (HCL India), India

February 2020 – January 2022

Platform Architect

- Led self-service EKS cluster deployment to improve container orchestration and scalability.
- Automated custom AMI creation for EKS and ECS using Jenkins, Packer, and AWS SSM Parameter Store.
- Developed a self-service Route 53 system, cutting subdomain creation time by 50%.
- Built automation for EC2 and RDS management using AWS resource tagging.
- Achieved 20% cost savings by migrating workloads to optimized AWS services.

GE Capital, Latitude Financial Services, SMFLC Japan (DXC), India

July 2012 – February 2020

Linux Engineer/DevSecOps Professional

- Managed high-availability Linux infrastructure across AWS, VMware, and on-premises data centers.
- Enforced AWS security best practices including IAM roles, Config rules, and policies.
- Led data center migrations with minimal disruption and seamless knowledge transfer.
- Used Ansible for efficient configuration management and automated application deployments.
- Maintained compliance with consistent patching and security updates.

Education/Certifications

- Bachelor of Information Technology, Jaypee University, India, 2012
- AWS Solutions Architect – Professional, 2023