GOKUL ELANGOVAN

CLOUD ARCHITECT - Cloud Architecture Design, DevOps, Security & Compliance

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SKILLS

- Cloud Platforms & Architecture: AWS, Azure, GCP, Multi/Hybrid Cloud, Cloud-Native Server Design
- DevOps & Infrastructure: Terraform, CloudFormation, GitHub Actions, Jenkins, Azure DevOps, GitOps
- Containerization & Orchestration: Docker, Kubernetes, EKS, AKS, GKE, Microservices Architecture
- Security, Compliance: IAM, RBAC, Encryption Standards, Compliance Audits, SRE Practices & Standards
- Networking & Monitoring: VPC, VPN, Direct Connect, Load Balancers, Firewalls, Prometheus, Grafana

WORK EXPERIENCE

Senior Platform Engineer

Quantiphi Analytics Solutions

- Constructed adaptive GCP topology with budget tagging and composed resizing, decreasing runtime compute overhead by 20% across eight business units with frequent multi-region scaling bursts and fail over strategies. • Engineered reusable Terraform modules and Cloud Formation stacks, slashing provisioning delays by 55% and
- synchronizing deployment baselines across teams handling system cloud services and hybrid environments.
- Calibrated Kubernetes nodes using taints, toleration, and load-triggered scaling, improving application uptime to 99.99% and cutting incident recovery times under 90 seconds with real-time metrics and predictive analytics.
- Integrated Prometheus, Fluentd, and ELK Stack for unified observability, aggregating telemetry from 150+ services and tripling incident resolution speed by 30% using dashboard-driven diagnosis and prioritization logic.
- Enforced infrastructure compliance by 40% via IAM policies, encrypted transport layers, and runtime audits, passing two third-party assessments without security gaps or evidence of policy deviation or data leakage.

Site Reliability Engineer

SADA Systems

- Migrated 25 production apps to GCP using IaC landing zones, dropping latency rates by 40% and enabling HA across three cloud regions with automated DNS failover and firewalls mapped to adaptive traffic profiles.
- Built CI/CD pipelines in Jenkins with Docker, reducing release duration from 18 hours to 5 by enforcing integration gates, parallel tests & analytics, and blue-green deployments on environment push cycle by 30%.
- Architected ELK-based telemetry framework for 200+ services, correlating logs and metrics to drop MTTR by 60%, leveraging Kibana queries and indexed fields for rapid anomaly identification and alerting precision.
- Defined API SLIs and tuned alert policies using historical usage patterns, preventing 75% of SLA breaches by triggering early rollbacks during peak load rates surges across critical business system endpoints globally.
- Tuned compute budgets by throttling idle containers and auto-scaling batch workers with system VMs, reclaiming \$180K in annual cost across variable usage environments with sustained 100% zero downtime in the systems.

Cloud Architect

Virtusa Corporation

- Engineered failover ready multi cloud platforms on AWS, Azure, and GCP, maintaining 99.95% uptime rate via regional DNS policies and system route tables for consistent global continuity and disaster resilience.
- Enforced least-privilege IAM models with KMS-integrated encryption policies, decreasing access violations by 70% and closing security tickets 2x faster using processed audit review pipelines and compliance dashboards.
- Integrated SAST and secrets scanning in CI/CD to block insecure builds, decreasing misconfigurations by 80% across 40 product lines and maintaining regulatory scan pass rates for SOC2 and GDPR compliance rates.
- Substituted static VMs with auto-scaling container services and rewrote cache layers to minimize load latency—cutting compute costs by 25% with no SLA breach during phased production migration periods.
- Rolled out serverless APIs using Azure Functions and GitOps commits, cutting delivery cycle time by 40% and enabling continuous push to staging and production from secured repositories with rollback safeguards.

Infrastructure Architect

Cognizant Technology Solutions

- Designed hybrid network models for 20 clients across 3 regions, consolidating compute nodes to save 30% OPEX while enhancing throughput rate with fiber-backed mesh routing strategies and load-aware link balancing.
- Delegated tasks to 10cmember infra team with scheduled design sprints and Confluence-based updates, accelerating end-to-end project turnover by 25% without revisits or scope-related implementation delays in delivery.
- Devised tiered recovery frameworks and principles for core apps, setting dual-site replication benchmarks and cutting switchover lag to under 8 minutes for Tier 1 services across regulated high-availability environments.
- Installed encrypted VPN tunnels and direct peering for 15 offices globally, reducing packet collision rates by 60%through DNS relays and system traffic segment filters with continuous QoS system monitoring in place.
- Delivered onboarding curriculum for 15 new engineers, auditing architectural submissions to raise quarterly design evaluation scores by 18% with actionable feedback, surveys and peer-reviewed learning milestones.

November 2024 – Present Toronto

May 2022 – April 2024 Toronto

September 2021 – April 2022 India

April 2015 – May 2021

India

Infrastructure Engineer

Verizon Data Services

$October \ 2014 - April \ 2015$

India

- Developed blueprints for internal cloud infra, raising provisioning throughput by 45% using role-bound templates with variable modules for developer test pipelines and cross-region environment standardization procedures.
- Maintained parity across DR sites for 3 business groups, ensuring 100% failover integrity with mirror state validation and daily backup success logging for compliant high availability service guarantees and standards.
- Built and derived audit compliance workflows in SharePoint, reducing document retrieval time and cut review cycles by 30% with auto-notification triggers and version control across regulated system content repositories.
- Published monthly and weekly milestone reports to PMO, minimizing escalation triggers by 20% by clarifying blockers and pushing prioritized fixes into weekly plans with stakeholder-aligned progress documentation tools.
- Coordinated SAN migration and OS upgrades, lowering incident count from 16 to 4 per quarter by scripting disk readiness checks and rollback validation tests by 30% across system hardware generations and platforms.

Network Engineer

Tata Consultancy Services

January 2007 – October 2014 India

- Configured over 300 WAN & LAN segments using Cisco IOS, maintaining 99.99% uptime monthly by isolating broadcast domains and deploying redundant paths with OSPF-based route convergence policies and standards.
- Simulated and maintained disaster recovery every quarter and documented test outputs, achieving 100% policy compliance during internal and third-party audits with timestamped logs and procedural verification checklists.
- Validated 500+ change requests with detailed rollback strategies and principles, keeping infrastructure change failure rate below 3% over a five-year monitoring window through peer-reviewed pre-deployment testing protocols.
- Attended RCA sessions across 25 major outages, documenting fixes and enabling 4-hour faster closure times through detailed postmortem tracking tools and automated system incident classification workflows by 40%.
- Installed L3 switches at client sites within 3-day targets, mapping VLAN IDs and ACLs without rework incidents by following dual review commissioning and manufacturer-recommended cabling system validation guidelines.

EDUCATION

MBA in Information TechnologyJanuary 2019 – December 2021Maharaja Agrasen Himalayan Garhwal UniversityIndiaBachelor of Engineering in Electronics and Computer ScienceJanuary 2002 – December 2005SASTRA University, Tamil NaduIndia