

Yogesh Gupta

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SUMMARY

Experienced strategic Site Reliability Engineering Manager demonstrated through leading cloud infrastructure initiatives at EITC "Du" and HCL Technologies. Expertise in designing, implementing, and managing multi-cloud environments (AWS, Azure, Oracle Cloud, VMware, Nutanix) with a focus on automation, security, and operational excellence. Skilled in DevOps/SRE practices, CI/CD pipelines, Kubernetes, and cloud services automation.

CERTIFICATIONS

- AWS Certified Solutions Architect - Associate (SAA-C03)
- Google Cloud Certified Professional Cloud Architect (GCP-PCA)
- Oracle Cloud Infrastructure Certified Cloud Architect Professional (1Z0-997-23)
- Oracle Fusion Cloud Applications ERP Associate (1Z0-1160-1)
- Nutanix Certified Professional - Multicloud Infrastructure (NCP-MCI)
- HCL Technologies Certified Site Reliability Engineer (SRE)
- Microsoft Certified Azure Fundamentals (AZ-900)
- Microsoft Certified Azure Security Fundamentals (SC-900)
- Microsoft Certified Azure Data Fundamentals (DP-900)
- ManageEngine Certified Applications Performance Manager (APM)
- Udemy Certified Product Management
- Udemy Certified Fundamentals of PCI DSS v4.0.0

EXPERIENCE

Du | Dubai, UAE

03/2024 to Present

Site Reliability Engineering Manager

- **Managed cross-functional teams of over 40 engineers**, ensuring alignment on project objectives and delivery timelines, and implementing agile methodologies to achieve a 20% increase in operational efficiency.
- Played a pivotal role as a key member of the core team launching the **UAE's first sovereign hyperscale cloud and AI platform**, leveraging Oracle Alloy technology to meet stringent national data residency and security requirements. (Target Launch: July 2025).
- Spearheaded the successful deployment of the **first NVIDIA Supercluster in the GCC**, in partnership with AIHostingHub, hosted at **Dubai Nautilus (DSO)** with over **5+ MW of power capacity**.
- Played a pivotal role in the **end-to-end successful launch of du Pay**, a major digital wallet initiative by du, achieving key milestones within aggressive timelines (Launched April 2024).
- Contributed to defining and implementing the technical requirements and infrastructure necessary for the **du Pay platform's security, scalability, and continuous operation**.
- Supported the development and execution of initial **go-to-market strategies** and user acquisition campaigns that drove early adoption and exceeded initial targets.
- Involved in defining the unique commercial model, including a **two-tier billing structure for oracle alloy** and custom pricing rules managed by du, deviating from standard public cloud paradigms.
- Contributed to the conceptualization and strategy for **du's custom marketplace on the Alloy platform**, enabling the delivery of unique, du-managed services and fostering a local partner ecosystem.
- Integrated and configured observability tools, including Prometheus, Grafana, and the **ELK Stack** (Elasticsearch, Logstash, Kibana), to enhance real-time system monitoring and troubleshooting capabilities, leading to a 15% faster issue resolution.
- **Engineered auto-healing infrastructure using AWS Auto Scaling Groups**, Azure Virtual Machine Scale Sets, and Kubernetes Horizontal Pod Autoscaler (HPA) to minimize downtime by 25% and improve fault tolerance, ensuring high availability of critical applications.
- Led **cross-functional teams across infrastructure, networking, operations, and vendor management** to deliver a **high-density AI-ready data center** showcased at **GITEX 2024**.
- **Designed and implemented robust disaster recovery (DR)** and high availability architectures using AWS Route 53, EC2, RDS Multi-AZ, and Terraform, along with cross-region replication, automated failover mechanisms, and DR playbooks, ensuring business continuity, zero data loss during failovers, and reducing potential downtime during disasters by 50%.

- **Reduced cloud spending by 15%** through implementing FinOps strategies, utilizing AWS Cost Explorer, Azure Cost Management, and KubeCost to optimize resource utilization and eliminate overprovisioning.
- Spearheaded the integration of 5G, Edge Computing, and AI into cloud infrastructure, evaluating use cases for network slicing, MEC (Multi-access Edge Computing), and AI-powered automation to enhance telecom service reliability and explore new revenue streams.
- Directed **strategic initiatives** with key stakeholders, **including C-level executives**, to align cloud operations with business goals, drive technological innovation, and secure buy-in for critical projects.
- **Spearheaded IT infrastructure projects valued at \$10 million, leading data center consolidations/collocations**, cloud migrations, and network upgrades, resulting in a 6% cost reduction and a 15% enhancement in system reliability.
- Collaborated with cross-functional teams to integrate perpetual automation tools into existing systems, enhancing scalability and reducing maintenance costs.
- Collaborated with stakeholders to design a **mission-critical AI processing environment** optimized for training large-scale models while meeting **sustainability benchmarks**.

HCL Technologies | Noida, India
Site Reliability Engineer

08/2021 to 03/2024

- Managed large-scale infrastructure environments comprising over 50,000 Configuration Items (CIs), ensuring optimal performance and stability.
- Spearheaded the planning and execution of cloud adoption strategies on AWS and Azure, resulting in a 21% improvement in application scalability and a 6% reduction in infrastructure costs through resource optimization.
- **Led and executed cloud modernization and migration projects** for major clients, including Total Energies and Unilever, managing large-scale workloads across AWS, VMware, and Nutanix platforms.
- Delivered multiple infrastructure projects valued at \$1 million each, consistently achieving on-time completion and exceeding client expectations.
- Developed, optimized, and managed CI/CD pipelines using Jenkins, GitLab CI/CD, Docker, Kubernetes, Helm, and Terraform, achieving a 15% reduction in software release times, automating deployment rollbacks, and ensuring consistent, reliable deployments across multi-cloud environments while enhancing application stability.
- **Defined and enforced Service Level Objectives (SLOs), Service Level Indicators (SLIs), and Mean Time to Repair (MTTR)**, ensuring high system reliability and optimizing incident response workflows across complex cloud environments.
- Implemented security best practices by integrating FortiGate firewalls, AWS WAF, GuardDuty, and SIEM solutions, reducing security vulnerabilities by 25% and ensuring compliance with enterprise security frameworks.
- **Led threat detection and vulnerability assessments**, managing patching of ESXi hosts via VMware Update Manager and automating vulnerability remediation processes to strengthen cloud and on-premises security posture.
- Implemented Infrastructure as Code (IaC) using Terraform and Ansible, automating infrastructure provisioning workflows, reducing deployment time by 16%, and enforcing consistent infrastructure configurations across environments. Optimized cloud environments and executed successful cloud transformation and cloud transition projects for enterprise clients.
- Designed, deployed, and managed containerized applications on Kubernetes (EKS, AKS) clusters, utilizing custom CRDs, Helm charts, RBAC, and network policies to ensure secure and scalable microservices architectures, while implementing Istio service mesh solutions to enhance networking security, observability, and achieve a 20% improvement in deployment frequency.
- Executed Kubernetes namespace migrations between multiple clusters, optimizing workload distribution and ensuring seamless application performance with minimal disruption.
- Managed large-scale VMware and Nutanix hybrid cloud environments, optimizing vMotion, SV Motion, OVA migrations, and datacenter replication processes to enhance disaster recovery capabilities and reduce recovery time objectives (RTOs).
- **Led enterprise-wide cost optimization strategies**, utilizing auto-scaling, reserved instances, and spot instances on AWS to achieve a 20% reduction in cloud spending while maintaining or improving application performance.
- Directed cross-functional teams in configuring, managing, and maintaining backup systems, leveraging Rubrik and Velero to enhance disaster recovery protocols and reduce operational downtime.

R3 Systems India Private Limited | Nashik, India
Information Technology System Network Administrator

06/2019 to 08/2021

- Developed and managed PowerShell (Windows) and Shell/Bash (Linux) scripts to automate critical infrastructure tasks, including log management, resource scaling, SSL certificate monitoring, and system audits, reducing manual effort by 80% and significantly improving operational efficiency.
- **Led 24/7 Network Operations Center (NOC) and Security Operations Center (SOC) operations**, implementing real-time alerting, automated remediation scripts, and forensic analysis using SOAR (Security Orchestration, Automation, and Response) to minimize security risks and service disruptions, maintaining 99.99% service uptime.

- Led the deployment and configuration of **Next-Generation Firewalls** (NGFWs) including FortiGate and Palo Alto, establishing security policies, VPNs, and Intrusion Prevention Systems (IPS) to mitigate **cyber threats and enhance network security posture**.
- Build cluster, Re-image cluster, **IPMI Configuration**, to understand client requirements and propose solutions pertaining to respective area.
- To attend customer call/chats/emails and plan project plan within agreed SLA and to effectively test and execute solutions as per the requirement of the customer
- To maintain high login Efficiency (Availability) for customers, document identified risks, issues, mitigation plans and support in execution of BCP/DR plans.
- To ensure positive customer experience and **CSAT** through First Call Resolution and minimum average handling time (AHT), rejected resolutions / Reopen Cases.
- Managed virtual infrastructure with over ESXi hosts and vCenter servers, including vSAN and **Nutanix clusters**.
- Provided support for Windows Server environments (2022 to 2008), Linux deployments, and Active Directory administration.
- Installed, configured, and troubleshoot ESXi 6.x/7.x, vCenter appliances, and performed V2V/P2V migrations and VM replications.
- Coordinated full infrastructure setups including **cluster builds**, storage, and network configuration with datacenter teams.
- Handled virtual networking components such as standard switches, DVS, port groups, and NIC settings.
- Led **cloud disaster recovery**, replication services, and patch management using VMware Update Manager.

HONORS AND AWARDS

- **Leadership Recognition – du (EITC), 2024**
Acknowledged for leading the **initial design and architecture** of the GCC's first NVIDIA Supercluster. Drove **cross-functional collaboration, vendor management**, and **CXO-level stakeholder engagement**, ensuring successful multi-party alignment and project visibility at **GITEX 2024**.
- **MVP Employee Award** at du (EITC) for successfully establishing and managing the newly restructured operations team, overseeing **service delivery for 50+ customers, including major Dubai government entities**, and ensuring seamless operational excellence.
- Received **Leadership Award** for independently leading and **successfully completing 29+ projects at HCL Technologies**, demonstrating strong project management and execution capabilities.
- **Excellence Award** for driving innovation by implementing advanced technological solutions to replace traditional processes, resulting in a **30% reduction in manual efforts and achieving annual savings of \$50,000 at HCL Technologies**.

SKILLS

- **Cloud Computing & Architecture:** Extensive expertise in AWS (CloudFormation, EC2, VPC, S3, Lambda, EKS, RDS), Azure (AKS, Virtual Machines, Blob Storage), GCP (GKE, Cloud Functions, BigQuery), and Oracle Cloud (Autonomous Database, Compute). Proven ability to design and optimize Multi-Cloud and Hybrid Cloud architectures, enabling seamless cloud migrations, scalable microservices, and cost-effective serverless solutions.
- **DevOps & Site Reliability Engineering:** Proficient in managing enterprise-grade CI/CD pipelines using Jenkins, GitLab CI/CD, and Azure Pipelines. Skilled in implementing Infrastructure as Code (IaC) with Terraform and Ansible, and deploying containerized applications on Kubernetes (EKS, AKS) using Helm and CRI-O. Expertise in Agile methodologies, automation strategies, and site reliability practices, ensuring high availability, streamlined deployments, and operational excellence.
- **Virtualization & Infrastructure Optimization:** Deep expertise in managing large-scale virtualized environments with VMware (vSphere, NSX, vSAN), Nutanix, and Hyper-V. Successfully delivered infrastructure optimizations, disaster recovery solutions, and auto-healing systems, ensuring cost efficiency and business continuity.
- **Monitoring & Observability:** Skilled in implementing proactive monitoring frameworks using Prometheus, Grafana, ELK Stack, Splunk, CloudWatch, and Azure Monitor. Advanced proficiency in integrating AI-driven anomaly detection systems and observability tools to enhance system reliability and reduce incident response times.

- **Networking & Cybersecurity:** Adept at designing secure and scalable network architectures using FortiGate and Palo Alto Firewalls, VPNs, TCP/IP, DNS, and Load Balancers (F5). Hands-on expertise in Zero Trust Security frameworks, IAM policies, RBAC, SIEM solutions (Splunk, Microsoft Sentinel), and compliance-driven implementations to mitigate risks and enhance threat detection capabilities.
- **Cost Optimization:** Demonstrated success in implementing FinOps strategies using AWS Cost Explorer, Azure Cost Management, and KubeCost, achieving up to 20% reduction in cloud spending through resource optimization and eliminating overprovisioning.
- **Strategic Leadership:** Extensive experience leading cross-functional teams of engineers and managers, directing IT infrastructure projects valued at over \$10 million, and aligning technological initiatives with organizational goals. Skilled in stakeholder collaboration, ITIL frameworks, disaster recovery planning, and scaling enterprise operations to support innovation and growth.
- **Platforms & Tools:** Proficient in leveraging industry-leading tools and platforms, including Git, Kafka, Jira, ServiceNow, Office 365, and Docker, to drive process automation, collaboration, and operational efficiency.

EDUCATION

Bachelor of Engineering | Per: 75.33% | University of Pune

06/2016 to 07/2019

Diploma | Per: 83.82% | KVN Naik Polytechnic

06/2013 to 06/2016