**Shikhar Singh**

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**Profile Summary**

* 11+ years of industry experience in Multi Cloud Design, DevOps, Solutions Architecture and Security
* Strong hands-on experience in multi cloud design, agile project delivery, service now and IT operations
* Delivered multiple complex IT infrastructure projects at Optum/UHG, Bank of America and L&T Infotech
* Effective stakeholder management to understand and aligns processes and leverage IT to achieve goals

**Skills & Competencies**

* **Primary Expertise:** Cloud Architecture, Infrastructure Solutions,DevOps, Cloud Network and Security
* **Cloud:** IAM, ASR, Key Vault, VNet, SQL, VPC, GKE, SQL, CDN, NAT, DNS, Traffic Manager, Container, ASR
* **DevOps:** Azure Pipeline, Repos, Artifacts, Python, IAC, JSON, YAML, Terraform, Grafana, Splunk, GitHub
* **Security:** IT Control Design, IT Governance, Risk and Gap Analysis, Assets Protection, Audit reporting
* **Tools:** Flexera, Okta, Jira, ServiceNow, Jenkins, Solarwinds, SAP, Office 365, Agile, TOGAF, ITIL v4, CISA

Employment History

**Cloud Architect, StackStudio.Digital, London, UK**  (Nov 2021 - Present)

Key Deliverable: -

* Demonstrate knowledge of cloud architecture and implementation features across cloud services
* Experience with performing anomaly or malware hunts using a common framework and standard methodology, including the MITRE ATT&CK framework
* Designing Solutions using Azure IaaS like Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager

**Specialist - Cloud Architecture, Larsen & Toubro InfoTech, Bangalore, India** (Feb 2021 - Oct 2021)

Key Deliverable: -

* Performed end to end workload suitability for on-prem workload and providing roadmap for migration
* Installed and Configure Flexera RN150 for Cloud Readiness and Application Portfolio Assessment
* Developed detailed landing zone architecture, To-Be Architecture, Move group and prioritization
* Developed the High Level Architectural Design, Detailed Architectural Design and Implementation Plan
* Implemented automation for deployments by using YAML scripts for massive builds and releases
* Deployed Active Directory domain controllers to Microsoft Azure using Azure VPN gateway at LTI
* VM-Series firewalls setup on Google Cloud for ingress/egress traffic using internal load balancers
* Experience in complete implementation of IAM projects using Cloud IAM, Azure AD and OKTA SSO
* Implement security measures to resolve vulnerabilities, mitigate risk and recommend security changes
* Deployed SAP HANA on GCP by designed HA cluster, persistent disk, VIPs, NAT gateway and Replication

**IT Architecture Analyst, Optum Global Solutions, UHG, Hyderabad, India**

(Dec 2014 - Feb 2021)

Key Deliverable: -

* Architect and design multi-tier applications using Azure and Google Cloud IaaS and PaaS services
* Developed auto change creation in service now and integration of service now APIs for IT solutions
* Created and Configured Azure subscription, DC exit plan, Site to site recovery, Azure Key Vault, Storage
* Automated Service Now Change creation process using pre-approved template and CI/CD pipeline
* Managed deployment strategies Blue-Green Deployment, Canary Deployment and Rolling Deployment
* Experience in setting up YAML pipeline integrating various tools with Jenkins to application release
* Good experience in cloud operations with VPC Peering, Shared VPC, VPN, LB, firewall rules, Cloud CDN
* Building automation for application by streamlining DevOps and subsystem of build-once/reuse-often
* Experience in working with GKE and container deployment and configuration with leverage capabilities
* Deploying and configuring Azure site to site recovery for DR and Azure back-up in On-Prem/Azure Cloud
* Monitoring Cloud spend of Azure subscription, licensing, services, and resources using Az billing report
* Managed Chef Cookbooks for Citrix configurations to modularize and optimize end user infrastructure

**Senior Software Engineer**, **Magna Infotech, Noida, India**

(July 2013 - Jan 2014)

Key Deliverable: -

* Managed End user technology Citrix VDI environment comprised of 120,000+ users and 30,000+ VDIs
* Cross analyzed business product with capacity needs (Disk IOPS, Processing, Memory, Network) to ensure data center placement and VMWare \ Citrix deployment exceed response and speed
* Provided support to production issues, installations, upgrades, migrations, and project executions
* Developed application inventory tool for L1 and L2 Operations support team for faster ticket resolution
* Increased SLA from 60% to 100% within 3 months and reduced the production support overhead

**IT Analyst/ IT Ops Manager, BA Continuum Pvt Ltd, Bank of America, Hyderabad, India**

(July 2008 - Aug 2012)

Key Deliverable: -

* Managed client server architecture for 96,000+ Citrix users based in America, EMEA and ASIA at BoA
* Provide expert level technical assistance on authentication and Identity Management systems for apps
* Responsible for configuring the applications on Windows hosted platform as per security standards
* Conducted audits on Apps, OS and infrastructure for efficiency, accuracy, security and risk mitigation
* Managed 11,000+ banking applications deployed with 3,000+ Citrix servers across the enterprise
* Provided the ongoing production support of compliance protocols and group access Citrix policies
* Managed BPM, FMEA, Security Audits, Data Metrics, Gap analysis, DR, Risk analysis, and BIA with BCP
* Delivered cost savings of around a million USD through server consolidation and decommissioning

Education & Professional Certifications

Reims Management School, Reims, France,

**Master of Business Administration (MBA),** (Sep 2012 – June 2013)

**Specialization:** Consulting and Innovation

**Dehradun Institute of Technology, UPTU, India**

**Bachelor of Technology (B. Tech),** (July 2004 – June 2008)

**Specialization:** Computer Science & Engineering

**Professional Certifications: -** Microsoft Azure Solutions Architect, Google Cloud Certified Professional Cloud Architect, Azure DevOps, CISA, Cloud Security, Citrix, VMware, ITIL v3, Lean Six Sigma, TOGAF Certified

Hobbies & Additional Information

* **Hobbies:** Music, Travelling, Watching Movies, Cricket, Interior Design, Puzzle Solving, Public Speaking
* **Non-profit Engagement:** Make Change Giving Campaign at UHG, Team Aspire at BoA,Venture promotion
* **LinkedIn and GitHub Profile:** [www.linkedin.com/in/shikharsingh09](http://www.linkedin.com/in/shikharsingh09) & <https://github.com/shikharms>
* **Professional References:** Pawan Srivastava ([pawan.srivastava@optum.com](mailto:pawan.srivastava@optum.com)) Reporting Manager at Optum and Jeevan K Badda ([jeevan\_badda@optum.com](mailto:jeevan_badda@optum.com)) Colleague at Optum