Rahul Kumar Singh

Senior Architect

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🔘 GitHub

PROFESSIONAL EXPERIENCE

10/2024 – present Noida, India	**EY** *Senior Architect* 🔗 • Leading the design, deployment, and management of complex cloud infrastructure on GCP and AWS. • Architecting high-availability and scalable solutions for critical applications and workloads. • Optimizing cloud-based storage, networking, and compute resources for efficiency and cost-effectiveness. • Performance tuning strategies for cloud environments. • Security and compliance of cloud resources through best practices and industry standards. • Collaborating with cross-functional teams to integrate cloud solutions into overall business objectives. • Mentoring and providing technical guidance to junior engineers, fostering skill development. • Keeping up-to-date with emerging cloud technologies and trends, driving continuous innovation.

SADA 🔗

01/2023 – 09/2024 Yerevan, Armenia	*Staff Cloud Infrastructure Engineer* • Leading the design, deployment, and management of complex cloud infrastructure on GCP and AWS. • Architecting high-availability and scalable solutions for critical applications and workloads. • Optimizing cloud-based storage, networking, and compute resources for efficiency and cost-effectiveness. • Implementing robust monitoring and performance tuning strategies for cloud environments. • Ensuring security and compliance of cloud resources through best practices and industry standards. • Collaborating with cross-functional teams to integrate cloud solutions into overall business objectives. • Mentoring and providing technical guidance to junior engineers, fostering skill development. • Keeping up-to-date with emerging cloud technologies and trends, driving continuous innovation.
02/2022 – 01/2023 Yerevan, Armenia	*Senior Cloud Infrastructure Engineer* • Architecting, deploying, and managing cloud infrastructure on GCP and AWS. • Implementing high-availability and fault-tolerant solutions for critical applications. • Automating infrastructure provisioning and configuration using Terraform and CloudFormation. • Designing and optimizing cloud-based storage, networking, and compute resources. • Monitoring, optimizing, and troubleshooting cloud environments to ensure performance and scalability. • Managing security and compliance for cloud resources, implementing best practices. • Collaborating with cross-functional teams for seamless cloud integration and migration projects. • Providing technical guidance and support to junior team members and stakeholders.

- Staying updated with the latest cloud technologies and trends to drive continuous improvement.

12/2020 – 02/2022 Bengaluru, India	**Microland** *Cloud Architect (AWS and GCP)* 🔗

- Participate in Pre-sales calls for requirement gathering.
- Responsible for writing technical documents.
- Managing team to deliver projects that meet the success criteria and adhere to the proposed timeline.
- Responsible for Designing Architecture Diagrams for Implementation.
- Responsible for architecture designing, implementing and supporting of cloud-based infrastructure and its solutions.
- Responsible for Troubleshooting and analyzing issues and writing RCA documents for same.
- Responsible for writing Infrastructure as a Code for various AWS/GCP services.
- Enabled Continuous Delivery through Deployment into several Test, QA and Production environments using Jenkins.
- Experienced in Migrating all the containerized applications to Kubernetes architecture(EKS, GKE)
- Experienced in designing and implementing micro-services architecture.
- Experienced in implementing logging and monitoring tools like ELK and EFK.

04/2020 – 12/2020 Bengaluru, India	**Searce** *Cloud Architect (AWS and GCP)* 🔗

- Participate in Pre-sales calls for requirement gathering.
- Converting the CEO/CXO requirement into a technical document.
- Create and finalize SOW's with the customers required for project delivery.
- Managing team to deliver projects that meets the success criteria and adhere to the
- proposed timeline.
- Responsible for Designing Architecture Diagrams for Implementation.
- Responsible for architecture designing, implementing and supporting cloud-based infrastructure and its solutions.
- Responsible for Troubleshooting and analyzing issues and writing RCA documents for same.
- Responsible for writing Infrastructure as a Code for various AWS/GCP services.
- Enabled Continuous Delivery through Deployment into several environments of Test, QA and Production using Jenkins.
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- Experienced in implementing logging and monitoring tools like ELK and EFK.

Microland 🔗

11/2017 – 04/2020 Bengaluru, India	*Associate Cloud Architect (Azure and AWS)*

- Managed servers on the Amazon Web Services (AWS) platform, handling configuration, deployment, and support of various cloud services.
- Demonstrated proficiency in Linux administration, including installation, configuration, backup, and recovery.
- Utilized Docker and Kubernetes to implement container-based technologies, creating pods, config maps, and deployments.
- Created Amazon EC2 cloud instances using AWS, configuring them to suit specific application requirements.
- Defined AWS Security Groups to act as virtual firewalls, managing traffic control to AWS EC2 instances.
- Implemented robust monitoring and alerting for production and corporate servers using AWS CloudWatch.
- Developed Python scripts to automate log rotation of multiple logs from web servers.
- Worked on Continuous Integration and Continuous Delivery (CI/CD) processes to support internal and customer development needs.

01/2016 – 11/2017 Bengaluru, India	*Administrator (Wintel and VMware)*

• Rebuilding new servers as per client requests.
• Converting servers between Physical and Virtual environments.
• Installing and managing Windows servers (Physical and virtual).

- Administering Active Directory, DNS, DHCP , Remote Management, Remote Access Control, and Data Recovery.
- Upgrading Virtual machine resources (hard disk, CPU cores, memory).
- Configuring and patching Windows 2003, 2008, and 2012 servers.
- Coordinating with SAN team for ESX server storage allocation.
- Utilizing update manager for ESX server security patch installation.
- Participating in server shutdown, security patching, and new account transitions.
- Familiarity with Microsoft Azure, StoreSimple, and MFA technologies.

01/2015 – 01/2016
Bengaluru, India

Service Engineer
Provided L1 and L2 support, collaborating with cross-functional teams.
- Worked with HP ProLiant DL380, ProLiant DL360 G5, and IBM Blade servers.
- Installed and maintained Windows 2003, 2008 R2, and 2012 R2 servers.
- Configured and managed Active Directory Service, Antivirus Server, WSUS, and SCCM.
- Handled DNS, DHCP server configuration and maintenance.
- Proficient in Remote Administration and Remote Assistance.
- Managed user access, created new IDs, and granted share folder permissions.
- Resolved printer and server-related issues.
- Installed and configured physical servers and RAID configurations.
- Utilized BMC Remedy and Service Now ticketing systems for incident management.

EDUCATION

08/2010 – 08/2014
Bengaluru, India

B.Tech. in Information science and technology
M S Engineering College 🔗

SKILLS

Cloud
Google Cloud Platform, AWS, Azure

Iaac
Terraform, Terragrunt, Cloud Foundation

Configuration Management
Ansible, Chef

DevOps
Kubernetes, Docker, CI/CD(Jenkins, GitLab CI, GitHub Actions, Spinnaker), Packer, Bash, Git, Monitoring Tools, SureEdge Migrator, YAML, MySQL, Vault, Consul

Industry Skills
Migration (Application, Server, Data), Cloud, Infrastructure Management, Delivery

CERTIFICATES

- Google Cloud Professional Cloud DevOps Engineer 🔗
- Google Cloud Professional Cloud Architect 🔗
- HashiCorp Certified: Terraform Associate (003) 🔗

LANGUAGES

English

Hindi

INTERESTS

Soccer | Futsal | Long Drivers | Trekking | Big Foody