

**Arpit Agarwal**

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### **Summary:**

Overall six years of experience working as a cloud Engineer with passion for cloud technologies. I have been developing my expertise in AZURE/GCP and Devops. While constructing my career, by learning required technologies such as Linux and Devops tools to better experiment with cloud, I am all geared up for the challenging work environment, where I can contribute, and utilise my skills and abilities while learning new things to achieve personal and organisational goals.

### **Technical Skills:**

- Hands on in GCP Skills (Compute Engine, Load Balancer, VPC, Storage, Cloud Functions, Stackdriver, Firewalls, Cloud SQL, Bigquery etc).
- Hands on in Azure Skills (VM, Storage, Resource Group, Deployment Models, Network Security group, Virtual Network, Azure CLI, Load Balancer etc.)
- Good Experience in creating and configuring new Build jobs, Plug-ins Management, builds using Master/Slaves and administering task in Jenkins.
- Having hands-on experience in building the infrastructure using Terraform (infra as a code).
- Having hands-on in Containerisation tools like Docker, Kubernetes. Deploying images in Docker hub and various repository.
- Deploy Containers to cluster, meaning of VM's using Kubernetes.
- Deployment of new hosts in Google, Azure cloud.
- Managed system administration work on VM Instances.
- Setup web servers behind ELB with SSL on different cloud providers.
- Resolved problems in cloud applications by proper identification as per project requirements.
- Provided end to end support for serverless architecture.
- Proactive monitoring of cloud infrastructure using monitoring tools like Nutanix Beam, Nutanix Flow security control, Stackdriver etc.
- Knowledge of the TCP/IP networking and DNS, LDAP etc.
- Managing web servers (Apache, Glassfish, RabbitMQ, Zookeeper).
- Strong MySQL Database Administration experience (Hot & Cold Backups, Recovery, Replication etc)
- Hands-on experience in MySQL Database and PostgreSQL.
- Strong \*nix Working & Administration Skills (Linux, Ubuntu,).
- Decent experience with Spinnaker using it as a deployment method.
- Log management tools.
- Worked as an integral part of the development team with troubleshooting, development and maintenance of systems.
- Basic understanding in the scripting language i.e. Python, Bash Scripting.

### **Professional Experience:**

#### **Working with WPP IT from Sept 20 to present**

##### **Senior Cloud Engineer as a part of Cloud Centre of Excellence team.**

- Plan/Design the migration of on premises workloads to cloud in various platforms i.e. GCP/Azure.
- Building the infrastructure using terraform in GCP and automate the deployment using Cloud Build.
- Designing the landing zone in Azure portal for various clients for creation of the resources and services.
- Moving the resources, data, workloads in to cloud using cloud migration strategy.
- Learning to use logic apps in Azure for integration of the apps and building the connectors for the organization.
- Containerization of the application of clients using Docker, Kubernetes.
- Review and manage technical requirements and business functional requirements to establish new cloud platforms and migration patterns.
- Create Continuous Integration and Deployment Pipelines.
- Support the Solution Architects with Low Level Designs.

**Worked with Riversand Technologies,Bengaluru from Jan20 to August20.**

**Senior Cloud Operations Engineer**

- Running SaaS applications smoothly and reliably for the customers.
- Performing the application upgrade for various customers as per the various releases.
- Respond to infrastructure monitoring alerts, resolving incidents to ensure system uptime and expected service levels.
- Building the infra in Azure cloud as per the customers application requirements using the ARM templates via Jenkins job.
- Monitoring the application/infra using Senu,Grafana,Kibana logs.
- Building the ELK model for the application which helps in analyzing the logs at one central place in real time.
- Automation for monitoring part for receiving the alert in real time using Bash scripting.
- Setting up the authentication for the application using Okta/RSA/Auth0.
- Deploying the microservices in the container (Docker) using Jenkins.
- Setting up the Storage account/event hub for customer's data.
- Use infrastructure monitoring tools and respond to alerts to continuously improve stability of system.

**Worked with GE Digital,Bengaluru from April 2019 to Jan 20.**

**Enterprise Application Engineer**

**Key roles and responsibilities-**

- Working closely with cross functional team to deliver features and products.
- Drive usage of tools with global user through proactive support.
- Ensure on time completion of project deliverables and adhere to defined project management.
- Worked on BI tools Sisense to help clients to visualize there data in different formats.
- Migrated the BI tool application from windows server to linux server

**Worked with Indecomm Global Services, Bengaluru from NOV 2017 to March 2019**

**Client- Actian(Hybrid Data Management Company)**

**Key roles and Responsibilities:**

**Software Engineer:**

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- Involved in build and maintain Highly Available secure multi-zone AWS cloud infrastructure utilizing AWS cloud formation.
- Experience in code deployment with tools such as Cloud Formation/Terraform
- Resource Config changes for increasing the VM template/settings. Binding services to the deployed applications.
- Setup of Cloud Watch alarms,setting up Cloud Trail, creating Cloud formation templates, creating S3 buckets.
- Configured aggregation of Cloud Trail logs across AWS accounts and reigon into single S3 bucket to perform security analysis, track changes to AWS resources, troubleshoot operational issues.
- Responsible for deploying SSL CERTS across AWS ELB and CLOUD FRONT.
- Involved in Buisness data for Disaster Recovery(DR) and upgrading to new instance types for better performance.

- Applied routing policies for AWS Route53 such as Latency Routing policy, Weighted Routing policy, Failover Routing policies based on Health check of resources.

**Worked with HCL TECHNOLOGIES., NOIDA from SEPT 2015 to Nov 2017**

**Client- Novartis**

**Key Roles & Responsibilities:**

**AWS Admin(Analyst)**

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- Setup/Managing Linux Servers on Amazon ( EC2, EBS, ELB, SSL, Security Groups, RDS and IAM).
- Setup/Managing VPC, Subnets; make connection between different zones; Blocking suspicious ip/subnet via ACL.
- Setup/Managing CDN on Amazon CloudFront ( Origin Path: Server / S3) to improve site performance.
- Create/Managing buckets on S3 (CLI) and store db and logs backup, upload images for CDNserve.
- Setup/Managing Databases on Amazon RDS. Monitoring servers thorough Amazon CloudWatch, SNS.
- Creating/Managing DNS records on Amazon Route53.
- Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS)
- Creating AWS Instances and resources Bills.
- Involved in end to end activities for the company
- Focussed on improvements to build and deploymenttools.
- Architected and managed IT infrastructure on AWS various clients.
- Resolved problems in cloud applications by proper identification.

**Backup Admin:**

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- Installing and configuring of Master/Media and client servers.
- Configuring of volume pools, storage units, policies, tape drives and storage units.
- Performing catalog backups and restores.
- Upgrading and installing of Netbackup Master/Media and client servers.
- Decommissioning of Media/Client servers from backup environment.
- Working with Netbackup GUI and CLI mode.
- Configuring of SQL, NDMP and VMWARE backups.
- Deduplication, Duplication and SLP configuration
- Troubleshooting of backup failures, drives, tapes, connectivity etc.
- Knowledge of ITIL process.

Worked with **LIC OF INDIA**, From June 2013 to August 2014.

**Roles and Responsibilities-**

Development Officer-

- Worked as a Development officer for LIC to build the team of people(BDM) to get the business for the company.
- Set up the targets for my team and help them to achieve it through the proper leads and guidance.

Worked with **[ATS CONSULTANCY SERVICES]**. from DEC 2012 to MAY 2013.

**Key performance indicators:**

- Maintenance /Implementation / troubleshooting of Ericsson BSC and TCSM.
- Commission /Integration /Troubleshooting of 2G BTSSites.
- Planning and Optimisation Engineer having knowledge of Ericsson systems as well.

**PROFESSIONAL QUALIFICATION :-**

- ☐ Certification in **VHDL** from **CETPA Infotech Pvt Ltd**, Noida **2011**
- ☐ Certification from **509 Army Base Workshop**, Agra **2011**

**EDUCATION & QUALIFICATIONS :-**

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|--------------------------------|---------|------|
| • B.Tech(ECE),GBTU.            | (69.9%) | 2012 |
| • XII,Agra Public School, Agra | (71.4%) | 2008 |
| • X, Delhi Public School, Agra | (82.6%) | 2006 |

**Declaration :**

I hereby declare that all the above-mentioned information provided by me is true to the best of my knowledge

Place: Bangalore

(Arpit Agarwal)