RAUNAK JHA

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Technical Certifications

- **AWS Certified Solution Architect Professional - M0ZT4Z9KK1R1Q154**
- **AWS Certified Solution Architect Associate - 8SC8V6HKB1QQ1M3G**
- **AWS Certified Sysops Administrator - HL607LGCB1R417SS**
- **AWS Certified Developer Associate – HWPYTYVCL1Q1QE9K**
- **Google Cloud Certified Professional Cloud Architect - 5yjEGp**
- **Google Cloud Certified Associate Cloud Engineer – dLjPAm**

Professional Summary

- **Cloud/DevOps Engineer with 4 years of experience**
- **Working as Subject Matter Expert for the Cloud where my responsibilities are providing solutions to adopt cloud in the Product Development and Implementation**
- **Extended responsibilities include troubleshooting the day to day issues related to Cloud and DevOps implementations**
- Participate across all the Cloud Operations Internally as well as Client Deployments.
- Design and Implement infrastructure on AWS and Google cloud in multicloud, hybrid models.
- Design and Implement the products according to PAAS/SAAS cloud models.
- Architecture designing and deployment of applications in Customers Cloud Environments.
- Provide Solutions to product teams related to the environment and infrastructure ecosystem.
- Creating & Maintaining kafka Cluster with more than 45 node & zookeeper. Managing a Kafka cluster with 40B messages per day. A Kafka Enthusiast.
- Implement technical roadmaps, project plans, requirements, and designs in AWS as well as GCP.
- Leverage deep technical expertise, knowledge of IT security compliance policies, and expertise with Cloud computing and network security to advise and educate technical and non-technical members of the firm to achieve objectives.
- Work closely with clients, leadership, and vendors in formal and informal environments to gain approvals, overcome obstacles, and reach consensus in the furtherance of the firm's Cloud strategy.
- Designing the architecture with best practices followed by the industry.
- Experience in leading the deployment of Products in Customer Environment.
- Experience with Microservice based Application .
- Experience in Docker & Kubernetes Implementation
- Experience in Web Tier Application servers like Apache, Nginx.

- Experience in AWS & GCP Architecture Designing and Implementation

- Experience in working with multiple verticals in the product development Unit.

- Exposure to the Complete Product Development LifeCycle (SDLC).

- Exposure to DevSecOps Architecture Designing and Implementations.

Expertise	
Cloud Architecture and Automation	Terraform, Cloud formation
Implementation of CI/CD pipeline	Capacity and Scalability Planning
End to end Cloud Migration	Docker, Kubernetes, Ansible, Hybrid cloud Modelling
Security Implementation in AWS/GCP	Systems installation, configuration & upgrading
Cloud Optimizations	Cost, HA setup, Load Balancing
Productivity improvement	Project management

Career Highlights

- Participation in Cloud cycle adaptation on product and project level.

- Designed and automated deployment process of the analytics application in AWS as well as Google Cloud.

- Infrastructure automation using Terraform for AWS & Google cloud.

- Planned and implemented a complete cloud infrastructure based on the budgetary requirements and future objectives set forth by management.

- Assisted with the implementation of automation and provisioning tools like Docker, Jenkins for continuous integration of their applications.

- High Availability designed using Load Balancer for Web servers with Scale in and Scale out automatically, also isolated environment by having security groups and NACL.

- Assisted companies to understand the transformation of IT infrastructure, operations & applications to make the most of the scalability, innovation & cost efficiency of the AWS platform.

- Experience with Data Centre migration, Server migration and upgradation, Server consolidation Physical to Virtual (P2V) etc.

- Good knowledge in Kafka & Zookeeper & the surrounding ecosystem.Managing a Kafka cluster with 40B messages per day.

- Have understanding of Network design in cloud environment and connectivity with on premise networks.

- Hands-on expertise on most of the services provided by AWS.

- Hands-on expertise on most of the services provided by Google Cloud Platform.

Work Experience

- Cloud/Devops Engineer, Talentica Software Pvt. Ltd. (Jan 2019 – Present)
- DevOps Engineer, Applied Cloud Computing Pvt. Ltd. (Dec 2016 – Dec 2018)

Skills

Programming Languages:	Python, BASH, JSON, YAML.
Cloud Environments:	AWS,GCP
Web Servers:	Apache, Nginx, and JBoss
Ticketing Tools:	Zendesk, JIRA
DevOps Tools:	Docker, Kubernetes, Jenkins, Prometheus, Ansible
Infrastructure Automation:	Terraform, Cloud formation

Projects Highlights

- **Kubernetes implementation of Products**
  - Skills: Kubernetes, GKE, GCR, ECR
- **Migration of Mist/Juniper Application on Google Cloud**
  - Skills: VPC, VMs, Cloudsql, Service accounts, Firewall,Terraform,Stackdriver
  - Description**:** Planned and deployed the analytics application on Google Cloud using automation.

- **Creating & Managing Distributed Systems At Mist Systems (A Juniper Company)**
  - Skills: Terraform, Ansible,Cassandra,Kafka, Zookeepers,Storm, Signalfx,Prometheus,Grafana.
  - Description**:** Planned and deployed highly available, secure, reliable Infrastructure on AWS & it's continuous management using monitoring/Logging tools.

- **Migration of Logistic application AWS**
  - Skills: Cloud formation, ECR, ALB, EC2, Auto-scaling, Docker, Code Pipeline, CloudWatch, S3.
  - Description**:** Implemented AWS environment with cloud formation templates and deployment using Bamboo and Docker. Bamboo is used to run the build as well as deployment plans.

- **Migration media website on GCP**
  - Skills: VM, LB, Cloudsql, CDN, Cloud Storage, Cloud DNS, Stackdriver,Kafka
  - Description**:** Migration of the media website on GCP with 3 tier architectures using LB, VM's, and CloudSql with detailed monitoring with Stackdriver.

- **Migration of various applications and websites on AWS**
  - Skills: ALB, EC2, Auto-scaling, S3, RDS, CloudFront.
  - Description**:** Designed and migrated various websites and applications on AWS cloud with highly available and scalable Architecture.

- **Implementation of various LAMBDA functions**
  - Skills: Lambda, VPC, Flow Logs, s3, EC2.
  - Description**:** Implemented various Lambda functions to perform various operations related to EC2, s3, Log Processing, Image to PDF conversion.

- **Various Terraform Templates for Infra Automation**
  - Skills: VPC, Subnets, NAT, IG, EC2, ALB, S3.
  - Description**:** Created multiple terraform templates to automate the infrastructure launch and manage. Deployed changesets in cloud formations. Designed nested stacks for complex infrastructures.

- **Design and Implementation of Terraform templates for Infra Automation in Google Cloud**
  - Skills: VPC, Subnets, Cloud Memorystore, VMs
  - Description**:** Designed various terraform templates to automate launching of Infrastructure.

Education

Bachelor of Technology in Electrical Engineering from FET (Rohilkhand University) with CGPA 7.5/10.

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Place: Pune.   **RAUNAK JHA**