

Validation Number: 34EDEQBKLER410KR

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**Sachin Gupta**

: +918695078915  sachin52gupta@gmail.com

**SUMMARY:**

* Overall 5.5 years of IT experience in Development, Enhancements and setting up infrastructure projects with various **AWS services** such as EC2, S3, ELB , VPC, Auto scaling, Cloud watch, Kinesis, AWS System Manager, ECS, Lambda SNS, SQS, etc. and worked on various **Devops tools** such as Git, Jenkins, Docker etc. And also used **Python** and **Nodejs** for scripting.

**Professional summary:**

* Currently working as a **Senior Associate** **Consultant** at **Infosys ltd.** from Dec 2018.
* Worked as a **Software Developer** at **Syntel Pvt. Ltd.** From Sep 2015 to Dec 2018.
* Have extensively worked on and good conceptual and technical knowledge on AWS Services such as EC2, S3, Cloudwatch, Autoscaling, ELB, VPC etc.
* Experience in Devops tools such as Jenkins, Git, and Docker etc.
* Skills to work under pressure stress and meet deadlines in a team with high level of involvement and leadership quality.

Technical Skills

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| --- | --- |
| AWS Services | EC2, Lambda, S3, Vpc, Autoscaling, Cloudwatch, Kinesis, ECS, ECR etc. |
| Devops tools | Jenkins, Git, Docker etc. |
| Software Development Methodologies | Agile and Waterfall |
| Database | MySQL 5.6 |
| Development Tools | JIRA, POSTMAN |
| Scripting language | Python and Nodejs |
| Build Tools | Maven |
| Operating System | Windows 7 & 10, Linux, UNIX |

**Academic Details**

* B.E (EIE) from **Sathyabama University, Chennai** in May 2015 with 7.5 CGPA.
* Intermediate from K.L.S College, Nawada (Bihar) in June 2011 with 65%.
* Matriculation from St. Joseph’s School, Nawada (Bihar) in March 2009 with Distinction (70%).

Projects Illustrated

1. **To deploy the web application in cloud using single touch pipeline(CI/CD)**

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| --- | --- |
| Objective | To deploy the Highly available, scalable web application in cloud |
| Client | Internal product |
| Platform | AWS, EC2 Instances, S3, RDS, VPC, Route53, Auto scaling, Load balancer |
| Description | * Created environment for web application AWS EC2 instances
* Created VPC private and public subnets to group web and db the instances
* Configured security groups for all the instances based the requirements
* Created pipelines to push the code changes via Git, Jenkins
* Enabled cloud watch monitoring to get the alerts on different metrics
* Enabled high availability to ensure the web application availability
* Created CICD pipelines for entire infrastructure automation using Cloud formation.
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| Role played | * Solution Design and Execution
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| Duration | 12 Months |

1. **Container Solutions and Orchestration**

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| --- | --- |
| Objective | To orchestrate the deployment, scaling and management of Docker Containers. |
| Client | One of the leading ecommerce client in USA |
| Platform | AWS, EC2 Instances, Docker, Kubernetes, EKS, ECS, VPC, Linux |
| Description | * Assisting development team to migrate application to Docker based PaaS platform using Kubernetes
* Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Responsible for administration, monitoring and management of Kubernetes cluster
* Created container and worked on infrastructure with Docker containerization
* Working with helm charts for deployment on Kubernetes.
* Ansible script creation for automating the daily health checks activity.
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| Role played | * Solution Design and Execution
 |
| Duration | 13 Months |

1. **Database Migration from on-premise to Cloud**

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| --- | --- |
| Objective | To migrate the various on premise database to cloud |
| Client | One of the leading retail client in USA |
| Platform | AWS, Database Migration, RDS, VPC, Redshift, Schema Conversion Tool, Linux |
| Description | * Migrated the on premise database to cloud
* Migrated the different variety of database to cloud such as oracle, sqlserver to Redshift.
* Enabled CDC(Changed data capture) to source database for getting capture Insert, Update & Delete during on-going migration to cloud with minimal downtime
* Converted source DDL with Schema conversion tool and applied to target database.
* Performed Full load & Incremental load from source database to target database.
* Creating the migration pipelines
* Created IAM roles to the various services to talk each other, users and assigned permissions
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| Role played | * Solution Design and Execution
 |
| Duration | 13 Months |

1. **Implementation and maintenance of Identity and access management**

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| --- | --- |
| Objective | Authorization Code grant and client credential grant |
| Client | One of the leading retail client in USA |
| Platform | EC2, S3, EBS, IAM, Security groups |
| Description | * Designed and implemented highly scalable and fault tolerant ,highly available and secured, distributed infrastructure using AWS Virtual private cloud (VPC), Elastic Compute Cloud (EC2), Elastic Load Balancer (ELB), S3, Auto Scaling, RDS, Cloud watch and other AWS services .
* Understand security best practices, policies and standards to design highly secure cloud architectures for internal and external cloud solutions.
* Support the setup, configuration, and maintenance of an effective AWS cloud environment.

 * High Availability designed using Elastic load balancer for Web servers with Scale in and Scale out automatically also isolated environment by having security groups and NACL across subnets for EC2 instances.
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| Role played | * Cloud Engineer
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| Duration | 8 Months |

**Personal profile:**

* **Date of birth** :8th Jan 1994
* **Gender** :Male
* **Father’s name** :Binod Kumar gupta
* **Marital status** :Single
* **Linguistic abilities** :Hindi, English

**Declaration**

I do hereby declare that the particulars of information and facts stated herein above are true, correct and complete to the best of my knowledge and belief.

Date:

Place: Chennai Sachin Kumar Gupta