

**KAVYA G M**

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## Career Objective

Experienced Devops Engineer with a demonstrated history of working in the computer software industry. Skilled in Python (Programming Language), Concourse, Jenkins, Shell Scripting, Ansible. Terraform. Kubernetes and Docker. Skilled in AWS, Azure , GCP.

## Professional Summary

- Having **3 years** of Experience in Implementing Organization **DevOps** strategy in various environments of **Linux** and **windows** servers along with adopting cloud strategies based on **Amazon Web Services**.
- Expert in Cloud Technologies like Amazon Web Services (**AWS**) **VPC**, **EC2**, Cloud formation, **S3**, **IAM**, **RDS**, **Route 53**, **Cloud Watch**, **Dynamo DB** and Elastic cache.
- Utilized **Cloud Watch to monitor resources** such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- **Document system configurations, Instance, OS, and AMI build practices, backup procedures, troubleshooting guides, and keep infrastructure and architecture drawings current with changes.**
- Utilize Amazon **Glacier** for archiving data.
- Strong Experience **automated build platforms/continuous integration** using **DevOps** architecture.
- Visualize and report on operational events using **Ansible**.
- Having good exposure in **Jenkins** for **CI (Continuous Integration)**.
- Expertise in Java build tools like Maven for the building of deployable artifacts such as (jar, war & ear) from source code
- Using Jenkins Manage and Build code with Authorization.
- Deploy Jenkins to completely provision and manage **AWS EC2 instances**, volumes, **DNS**, and **S3**.
- Built up CI/CD pipeline using Git, ant, maven, Jenkins for Java and Middleware applications.
- Migrated existing infrastructures over three AWS accounts into VPCs managed by Cloud formation
- Maintaining and Monitoring the Application/Servers using **Nagios** .
- Strong Experience in Production support engineer providing **24/7** technical support for redhat servers.
- Configured and managing security groups and VPC.
- Configured and managing ELBs. Configured and managing S3 storage.
- Created AMI images of the critical ec2 instance as backup using AWS CLI and GUI.
- Created RDS database. Workspace Setup and troubleshooting.
- Hands on experience on VPC, Subnets, and Route tables etc.
- Configuring Cloud Watch for Monitoring Instance, RDS, ELB's etc.
- Configuring Elastic Beanstalk for fast and east
- Effective Cost Calculation using AWS Calculator.

- Conducting Cost Optimization Audit for Clients AWS account.
- Managing Backups of Instances and EBS storage using scripts.
- Create and configure S3 bucket with restricted policies.
- Designing and Deploying Highly scalable infrastructure using ELB and Auto Scaling services.
- Migrating and Managing DNS entries in Route 53 and various DNS providers.
- Hands on experience on VPC, Subnets, and Route tables etc.

#### **ENVIRONMENT:-**

**AWS (Amazon web services):EC2, VPC, IAM, S3, CLOUD FRONT, CLOUD WATCH, CLOUD FORMATION, GLACIER, RDS CONFIG, ROUTE 53, SNS, SQS.**

**AZURE :** Instance, Scaleset, LB, keyvault, networking.

#### **Technical Skills:**

<b>Cloud Technologies</b>	: AWS (VPC,EC2,S3, CloudWatch, RDS, CloudFront, Elastic Beanstalk, IAM)
<b>Operating Systems</b>	: Linux (Red Hat 4/5/6, SUSE), Ubuntu, Windows NT, 2000/03/07.
<b>Scripting languages</b>	: Python,
<b>Configuration Management:</b>	terraform, Ansible.
<b>Backup &amp; Restoration</b>	: cp, scp, tar,rsync and WINSCP
<b>Firewall and Security</b>	: Net filter management using IPTables, firewall,
<b>File sharing services</b>	: SFTP, NFS and CIFS.
<b>Storage</b>	: NeApp,LVM,RAID.
<b>DevOps</b>	: Ansible,Git,Terraform.Jenkins.
<b>Cloud Services</b>	: SAP Hybrid Cloud,AWS Cloud,
<b>Monitoring Tool</b>	: Nagios

#### **Education:**

**Graduation:** *BCA Bapuji institute of higher education(BIHE). Davanagere- 70%.*

#### **Current Work Experience:**

<b>Company</b>	: TCS, bengaluru
<b>Designation</b>	: AWS Cloud Engineer/DevOps
<b>Duration</b>	: June 2016 to 2020 jan.

<b>Company</b>	: Incture technologies.
<b>Designation</b>	: cloud engineer
<b>Duration</b>	: 2020 Apr to till today

#### **Responsibilities:**

- Launching and configuring of Amazon EC2(AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins
- Make sure that the Score points for our EC2 instances is more than 90%.
- Setup and launch Amazon Linux and RHEL and Windows ec2 instances, network interface with Elastic IP's.
- Exclusively worked on windows &Linux AMI for hardening.
- Handled cloud administration tools and management frameworks.
- Created support case with AWS for any critical issues and follow-up
- Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, Amazon EC2 and packaging, deployment and testing.
- Configured Yum at Server / client side for packet management.
- Deployed and monitor salable infrastructure on Amazon web services (AWS) & configuration management.
- Configured and managing security groups and VPC.
- Created AMI images of the critical ec2 instance as backup using aws CLI and GUI.
- Created support case with AWS for any critical issues and follow-up.
- Monitored and worked on alerts for Redhat linux server
- Creating servers, AMIs, storage blocks in S3,taking snapshots, VPCs, subnets, load balancing and auto-scaling in AWS
- Designing and implementing fully automated server build, management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including Jenkins Nodes/Agents, SSH, Amazon EC2 and packaging, deployment and testing.
- Installation and configuration of Git, merging code from develop branch to master branch and make it ready for deployment.
- Knowledge on GIT and Jenkins Continuous Integration of Server-Installation, Configuration, Design and Administration, and integrating these tools with other systems.
- Creating of Organization, Environment, and users in Ansible server.
- Worked on the cloud automation framework namely Terraform the included automation of certain software installation processes.
- Exclusively worked on windows & Linux AMI for hardening.
- Handled cloud administration tools and management frameworks like Terraform.
- Configured Cloud watch alerts.
- Created support case with AWS for any critical issues and follow-up.
- Deployed and monitor salable infrastructure on Amazon web services (AWS) & configuration management
- Launching and configuring of Amazon EC2(AWS) Cloud Servers using AMI's (Linux/Ubuntu) and configuring the servers for specified applications using Jenkins
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- Setup and launch Amazon Linux and RHEL and Windows ec2 instances, network interface with Elastic IP's.
- Configured and managing security groups and VPC.
- Configured and managing ELBs.
- Configured and managing S3 storage.
- Created AMI images of the critical ec2 instance as backup using aws CLI and GUI.
- Created RDS database.
- Created support case with AWS for any critical issues and follow-up.
- Backup & Restoration.

**Certification:**

AWS Certified Solutions Architect – Associate- AWS01270336

**Declaration**

I hereby declare that information given above is true and correct to the best of my knowledge.

**PLACE:****KAVYA G M**