**AWS-DevOps Engineer**

 **Venkat**

 **E-mail: Venkat.devops489@gmail.com**

 **Mobile: +91-9346256848**

**PROFESSIONAL SUMMARY:**

Having total 4.2 years of experience in the IT industry, hands on experience with **DevOps, AWS Cloud Platform, Apache Webserver (HTTPd),Nginx, Tomcat Application Server, Linux/Unix, Shell Scripting.**

**Skill Summary (DevOps & AWS**

* Implementing **CICD** process. Good in implementing pipeline as a code in Jenkins.
* Integrating **Jenkins** and GIT in AWS.
* Basic knowledge on Kubernetes(K8’s)
* Expertise in version source Management tools like **GIT**.
* Responsible for Dev, QA, Staging Environments for availability.
* Good experience using **Maven** for building java-based web applications.
* knowledge on Kubernetes(K8’s)
* Hands on Experience on Continuous Integration tool like Jenkins.
* Configuring jobs, master slaves and managing using Jenkins.
* Hands on experience with Configuration Management Tool such as **Ansible .**
* Support on-call 24/7 for all **DevOps** activities.
* Participated in release level discussions and gone through the total **SDLC and Agile** methodology.
* Hands experience on **Amazon EC2 cloud deployments** using **DevOps tools** like **Ansible.**
* Expert in Cloud Technologies like Amazon Web Services **(**AWS**):: VPC, EC2,AMI, IAM, S3, EBS, RDS, ELB, ROUTE53 ALB,SNS,SES, Autoscaling (ASG), CloudWatch, CloudTrail, CloudFront, ECR, ECS, CloudFormation.**
* Managing users and privilege services using **IAM** in AWS.
* Good Experience on user level **Linux** Commands.
* Experience in deploying the code through web/application server like **Apache Tomcat**.
* Trouble shooting Linux servers, memory checks, process checks etc.
* Experience in installation and administration of Apache Httpd 2x, Tomcat 6x, 7x on different platforms Linux and Windows.
* Experience in creating different profiles on different platforms in Tomcat Application Server.
* Having extensive Experience in Installed and configuring the **Tomcat** Application Server 6.x 7.x along with maintenance, trouble shooting on several distributed platforms
* Integration & Configuration of Apache server With Apache Tomcat
* Deploying EAR/WAR files in Application Servers like Tomcat Application Server.
* Analyzing the JVM logs and generating Java core Dumps, Heap Dumps.
* Having knowledge on setting up and managing**Docker private repository** and maintaining the Containers using **Docker**.
* Knowledge on writing **Terraform** for IAAS in AWS.

**PROFESSIONAL EXPERIENCE:**

* **Currently working as a DevOps & AWS Engineer** in **IBM** from **MAY 2016** to till date**.**

**EDUCATION:**

* **B. Tech** (Bachelor of Technology) from **JNTU - Anathapur** **2015 year.**

**TECHNICAL SKILLS:**

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| Version Control system &Global/ Central Repo | GIT & GitHub |
| CICD Tool | Jenkins  |
| Build tool | Apache Maven |
| Configuration Management | Ansible  |
| Containerization/Micro services/Orchestration | Docker & Basic knowledge on Kubernetes(K8’s) |
| Log Analysis | AWS CloudWatch |
| Monitoring Tools | Nagios |
| Ticketing Tools | ServiceNow and Atlassian JIRA |
| Web servers | Apache Tomcat & Nginx  |
| Application servers | Tomcat 6x,7x  |
| Databases/AWS RDS services | MySQL, Postgres SQL |
| Scripting Languages | Shell Scripting,  |
| AWS CLOUD PLATFORM | EC2, Route53, S3, RDS, VPC, ELB, IAM, RDS, SNS |
| Artifactory/Storage Registars | Nexus |
| Code quality (Continues inspection) | SonarQube  |
| Operating Systems | Linux, Unix, Ubuntu, Centos, Windows |
| Provisioning Tools | Cloud Formation, Terraform |
| Networking Protocols | TCP/IP, SSH, DNS, HTTP, HTTPS. |

**PROJECT DETAILS:**

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| **Project #2**(Current Project) | **Aviva india**  **(July 2018 – till date)** |
| **Role** | **Support Engineer** for AWS-DEVOPS  |

**Roles & Responsibilities:**

* Used Jenkins, Build forge for Continuous Integration and Continuous Delivery (**CICD**) into Tomcat Application Server
* Created Docker files and build images and push to the Docker private registry
* Set up the local development environments through Docker containers for new developers.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Strong working knowledge on GIT, SVN.
* Developed a fully automated continuous integration system using GIT, Jenkins and custom tools developed in Bash.
* Experience in build management and continuous integration tools. (Jenkins)
* Designed and built cloud service models including Infrastructure-as-a-Service (**IAAS**) Driving industry best practice implementation around CI/CD and infrastructure management.
* Administered version control system that included branching and merging Responsible for creating and developing the build process environment.
* Installing, configuring and administering Jenkins CI tool on Linux machines.
* Well-versed with Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, ALB, S3, CloudFront, EBS, RDS, VPC, Route53, CloudWatch, Cloud Trail, CloudFormation, IAM.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Defined AWS Security Groups, which acted as virtual firewalls that controlled the traffic, allowed reaching one or more AWS EC2 instances.
* Configuring and Networking of Virtual Private Cloud (VPC). Develop CloudFormation scripts to automate EC2 instances.
* Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Auto Scaling (ASG).
* Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured Nagios monitor tool performance on all nodes.
* Set up and maintained Development, QA, Pre-Production, and Production environments.

**Environment:** GIT, Jenkins,Maven, Docker, JIRA, AWS Cloud, Nginx, SonarQube.

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| **Project #1** | Micron Systems, US. **(May 2016 to june 2018)** |
| **Role** | **Cloud Ops Engineer**  |

**Roles & Responsibilities:**

* Soft installation and configurations by using **Ansible** & also wring playbooks with Ansible.
* Used Jenkins, Build forge for Continuous Integration and Continuous Delivery (**CICD**) into Tomcat Application Server
* Developed a fully automated continuous integration system using Git, Jenkins and custom tools developed in Bash.
* Experience in build management and continuous integration tools. (Jenkins)
* Administered version control system that included branching and merging Responsible for creating and developing the build process environment.
* Installing, configuring and administering Jenkins CI tool on Linux machines.
* Well-versed with Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, ALB, S3, CloudFront, EBS, RDS, VPC, Route53, CloudWatch, Cloud Trail, CloudFormation, IAM.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Configuring and Networking of Virtual Private Cloud (VPC). Develop CloudFormation scripts to automate EC2 instances.
* Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Autoscaling (ASG).
* Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured Nagios monitor tool performance on all nodes.

**Environment:** Jenkins,Maven, GIT, Ansible, Linux,AWS, Apache Tomcat, JIRA, SonarQube.