**B.Uday Kiran**

**AWS/DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

* Over **3.8 Years** of substantial IT experience as **AWS/DevOps Engineer** with expertise knowledge in **Amazon Web Services, Lambda, Git, Maven, Jenkins, Docker, Ansible, Kubernetes, Terraform and shell scripting.**
* Hands-on experience working with AWS services - **EC2, VPC, RDS, ELB, S3, SES, Cloud** **watch, EBS**, **Route 53**, Identity & Access Management(**IAM**), Cloud Formation, AWS Import/Export, **Cloud Trail, Lambda** and complete understanding of security groups, routing tables,
* Built out entire infrastructure in AWS using **Cloud Formation**.
* Adding template images (**AMIs**) for pre-defined environments to create instances.
* Handling multiple requests in **IAM** like creating **users**, **groups**, and **roles**.
* Creating/Modifying **Policies** according to user’s access requirement.
* Working with **S3** to create the buckets to store objects.
* Hands on experience in setting up **Multi-AZ RDS** instances for High Availability.
* Assigning roles to **EC2 instances** to access/store data from other AWS services like S3, Cloud watch etc.
* Configured the **AWS Config** rule to find any resources are complaint
* Knowledge on Terraform.
* Using **Route 53** service for domains/sub domains management.
* AWS **EBS volume backups** and AWS **RDS snapshots**.
* Created **NAT** gateways and instances to allow communication from the private instances.
* Expertise in automation tools like **Git, Maven, Jenkins, Ansible** an**d Docker**.
* Worked with **Docker** and created multiple containers and images (Tomcat, Ubuntu, Etc.). Configured these containers to communicate with each other.
* Used **Docker** for Ship, Run, virtualization, and Deploy the application with securely for fasten the Release/Build Engineering.
* Good knowledge in maintaining public Git Repositories such as **GitHub, Bit Bucket.**
* Strong background in Branching, Merging, Tagging, and maintaining the version across the environments using **SCM** tools GIT **(GitHub).**
* Extensive experience using **MAVEN** as build tools for writing build.xml and pom.xml and building of deployable artifacts from source code.
* Experience on all areas of **Jenkins** like Plug-in Management, Securing Jenkins, Performance issues, Analytics, Scaling Jenkins, integrating Code Analysis and Test Phases to complete the CD pipelines within Jenkins.
* Worked on **Jenkins** for continuous integration and for End to End automation for all build and deployments.
* Experienced with **Ansible** playbooks for virtual and physical instance provisioning, configuration management, patching and software deployment.
* Sound Skills in **Shell scripting**.

**EDUCATION :**

* B.Sc Computer Science from Ellenki Degree College, Sangareddy.

**EXPERIENCE :**

Working as an DevOps Engineer in Accenture, Hyderabad from August 2018 to till date.

**TECHNICAL SKILLS :**

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| **Operating Systems** | Windows, Linux, Unix |
| **Virtualization** | Docker |
| **Version Control** | GIT |
| **Continuous Integration Tools** | Jenkins |
| **Build Tools** | Maven |
| **Cloud Services** | Amazon EC2,AWS VPC, Security Groups, ELB, IAM, Cloud Formation, RDS, S3, AWS Cloud Watch, AWS CLI, Simple Services, Route 53. |
| **Infrastructure Provisioning** | Terraform |
| **Ticketing Tools** | JIRA |
| **Scripting Languages/coding** | Shell scripting |
| **Monitoring Tools** | Cloud watch |

**WORK EXPERIENCE :**

**Project Summary**: Business Intelligence of Redshift Data-Warehousing

**Project**

Project : BIRD

Client : Accenture

Duration : August 2018

Technology : Git, AWS, Linux.

Description : **BIRD**

Business intelligence Redshift database is single repository, it provides permanent storage for raw data from MS Operations systems. The data comes from different source systems like K2, ACE, Prism, Polaris, Usage, CDAX, CARD, Ozzy, TPM etc. BIRD to be processed data based on rules and loaded into data warehouse data base Redshift. Reports are generated based on data in Redshift.

**ROLES & RESPONSIBILITIES :**

* Worked on AWS Cloud Formation templates to create custom-sized VPC, subnets, EC2 instances, ELB, security groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS Services like CloudWatch, RDS, ELB, EBS, S3, Route53, SNS, IAM.
* Deploy and monitor scalable infrastructure on Amazon web services (**AWS**).
* Created the **VPC’s**, configured the subnets, attached the gateway and routing tables to the subnets and deployed the EC2 instances in the subnets created using Terraform Modules.
* Implemented the cloud watch alarm (High Status Check Failed System) in EC2 instance AWS.
* Excelled on creating **AMI (**AWS Machine Images) that utilizes **ELB** (Elastic Load Balancer) and Auto Scaling.
* **S3** concepts like creating of buckets, events, versioning, life cycle management, loggings, cross region replications.
* Configure and Maintain user accounts for teams using IAM and assign roles to them to access resources like **EC2, RDS, S3, VPC, SNS**
* Experience in creating alarms and notifications for EC2 instances using CLOUDWATCH.
* **IAM policies, roles,** managing programmatic access.
* Managed configurations of multiple servers using **Ansible.**
* Automated various infrastructure activities like Continuous Deployment, application server setup using **Ansible playbooks**.
* Responsible for maintaining **GIT** Repositories, and access control strategies.
* Co-ordinated and assisted developers with establishing and applying appropriate branching, labeling/naming conventions using **Git** source control.
* Built scripts using **Maven** build tools in Jenkins to move from one environment to other environments.
* Maintained build related scripts developed in shell for **Maven** builds. Created and modified build configuration files including **POM.xml**.
* Built Continuous Integration environment **Jenkins** and Continuous delivery environment. Implementing and managing **Jenkins** job to automate the new job creation.
* Automation of new job creation by implementing and managing **Jenkins**. Setup **Jenkins** master slave architecture to use **Jenkins** as pipeline as service.
* Integrated builds into **Jenkins** and configure **GIT** parameterized builds. Also installed many custom plugins along with **Maven** plugins.
* Installed, monitored and configured applications in **Nginx** and **Apache Tomcat Server**
* Creating **War / Ear** files using **Maven** and creating docker images using those war files
* Creating and managing Build Infrastructure by using Jenkins, Git, and Maven.
* Setup **Master** and **Slave** machines on for a running the Jenkins Jobs parallel.
* Used **Docker Container** for running different individual services.
* Created **Docker images**, **Docker containers** and pushed Images to Docker private Registry.
* Attending Scrum Meetings with Dev& QA.
* Using **Ansible** implemented automation of certain software installation processes.