***DevOps/AWS Engineer***

**Name**

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***PROFESSIONAL SYNOPSIS***

* **4 +** years of IT experience in all phases of **Software Development Life Cycle** such as Requirement **Analysis**, **Planning Design**, **Development**, **Testing**, and **Release** of various **Enterprise-Wide Software Applications**
* Experience in setting up the enterprise infrastructure on **Amazon Web Services** (AWS) like **VPC**, **EC2 instance**, **ELB**, **S3Bucket**, **Security Groups**, **Auto Scaling**, **AMI**, **RDS**, **IAM**, **Cloud Front** services
* Experience in **HTML**, **CSS**, **JavaScript**, and **XML** Auto spawning of servers on the Amazon
* Managed **GIT** repositories for **branching**, **merging**, and **tagging**
* Working on migration part on **GitHub** to **GitLab**
* Extensively worked on **Jenkins** for **Continuous Integration** and for End to End automation for all build and deployments
* Experience in working with configuration management tools like **Ansible**
* Experience in managing **Ansible Playbooks** with **Ansible roles**. Used file module in Ansible playbook to copy and remove files on remote systems. Created inventory in **Ansible** for automating the continuous deployment.
* Performed automation tasks on various **Docker** components like **Docker Hub**, **Docker Engine**, **Docker Machine**, **Compose** and **Docker Registry**
* Experience in administrating, deploying and managing **RedHat**, **Ubuntu** and **CentOS** servers
* Proficient in **Shell**, **Python** and **Bash.**
* Created automation and deployment templates for Relational and **NOSQL** databases (standalone and **RDS**), including **Oracle**, **SQL Server**, **Mongo DB** and **MariaDB** in **AWS**
* Define build workflow, it includes **Junit**, **SonarQube**, **Selenium testing**, **Compile**
* Define build workflow, it includes **PMD**, **Junit**, **Cobertura**, **Compile** and **Deploy**
* Good knowledge and hands on Experience in monitoring tools like **Splunk**, **Nagios**
* Knowledge of **Routers** and **Switches**, **Subnet**, **VLAN**, **TCP**/**IP**, **Ethernet**, **VPN**, **OSI model**, **Firewall**
* Good understanding of **OSI Model**, **TCP**/**IP** protocol suite **DNS**, **IP**, **ARP**, **TCP**, **UDP**, **SMTP** and **FTP**
* Good experience on Service Oriented Architectures using XML based Web Services (**REST**/**SOAP**)
* Experienced in using **Tomcat**, **Nginx**, **WebSphere Application servers** for **deployment**

**Academic Credentials:**

* **B.E**.(Mechanical) from **xxxxxxxxxx University** in xxxxxxxxxxx.

***PROFESSIONAL EXPERIENCE***

* Working as a **DevOps Engineer** with **xxxxxxxxxx Software Solutions Pvt Ltd** from **July xxxx** to **till date**.

**Project 1:**

**Project / Client :** Marriott Hotels.

**Role :** DevOps Engineer.

**Duration :** Oct xxxx - Aug xxxx

**Role: DevOps/AWS Engineer**

***Responsibilities***

* Experienced in setting up the infrastructure on **Amazon Web Services** (AWS) like**VPC,EC2 instance’s**, **ELB**, **EBS**, **S3 Bucket**, **Security Groups**, **Auto Scaling**, **AMI**, **RDS**, **IAM Cloud formation** service’s
* Worked on **Cloud Formation scripts** to automate the infrastructure on **AWS**
* Debug & fix issues with **AWS** base servers. Creating **IAM** roles and setting permission as per the requirement
* Maintained and managed **Ansible Playbooks** responsible for deploying Framework and other cloud tools. Worked on Git Flow for production Release
* Worked on **Ansible-Galaxy** for setup the **Ansible Roles**
* Worked on **Ansible Vault, Vault-id** for encrypt the credentials for secure logon on the fly to MQ, DB servers
* Automated the applications like **Node.js**(PM2 – Production Process Management)**, Java, Angular** applications by creating **Ansible playbooks** and maintaining their source code in **GitHub version control** tool
* Written **Jenkins pipeline code** for automate the deployment process of applications from **Staging** to **PROD/DR**
* Setup few Cron jobs for to run the **MYSQL dump** files to load on to target servers
* Created Docker images using a Docker file, removing images and managing **Docker volumes**
* Performed automation tasks on various **Docker** components like **Docker Hub**, **Docker Engine**, **Docker Machine** and **Docker Registry**
* Review work performance by others and provide recommended improvement of **Jenkins CI/CD** Focus
* Monitoring apps servers using **ELK – Elastic search**, **Log stash** and **Kibana** for debug and logging
* Worked on **Log Rotation** utility to setup the config file to migrate the logs from log producer servers to the Log stash server for parsing
* Worked on **Jira** to capture, organize and prioritize Incident, Change tickets
* Worked with **Cloud Formation** for automating **VPC’s**, **ELB’s**, **EC2,Security Group’s**, **SQS queues**, **S3 buckets**, **Lambda**, and continuing to replace the rest of our infrastructure
* In depth Knowledge of **monitoring infrastructure** with **Graylog** monitoring tool and configured **Streams** and **Dashboard’s** for **metric’s**
* Experience in setting up the enterprise infrastructure on **Amazon Web Services** (AWS) like **EC2 instance**, **ELB**, EBS, **S3 Bucket**, **Security Groups**, **Auto Scaling**, **AMI**, **RDS**, **IAM Cloud formation**, **Cloud Front** & **VPC services**
* Debug & fix issues with **AWS** base servers. Creating **IAM** roles and setting permission as per the requirement.
* Review work performance by others and provide recommended improvement of **CI/CD** Focus
* Installed **Jenkins** and configured a **Maven** project to build and deploy the artifacts
* Performed a few **SQL** and DB2 Database tasks like inserts, deletes, updates
* Used in **Jira** & **Task board** to capture, organize and prioritize Incident, Change tickets
* Managed the **Release Communication** and Co-ordination Process
* Requirement gathering and validation, Working on **Jenkins Pipeline as a code**
* Worked with **Cloud Formation** for automating **VPC’s**, **ELB’s**, **EC2,Security Group’s**, **SQS queues**, **S3 buckets**, and continuing to replace the rest of our infrastructure
* Representation as part of technical team in requirement meetings
* Communication with team members for both **Ansible Core** and **Ansible Tower** teams to clarify requirements and overcome obstacles
* Maintained and managed **Ansible Playbooks** responsible for deploying Framework and other cloud tools. Worked on Git Flow for production Release
* Experience in managing Ansible Playbooks with **Ansible roles**
* Configured the **Docker containers** and created **Docker files** for various applications like **Rocket Chat**, **Jenkins, Concourse**
* Created Docker images using a Docker file, removing images and managing **Docker volumes**
* Performed automation tasks on various **Docker** components like **Docker Hub**, **Docker Engine**, **Docker Machine** and **Docker Registry**
* Part of teaching Thursdays where trained teams on how to use docker and **IBM-UCD**
* Configured **SonarQube** for code quality
* **Bash scripting** experience on creating automation process for **Branching**, **build creation** and **deployments**
* Migrated on-prem Jenkins appliance to **K8’s**
* Migrated **Jenkins** to **Concourse CI** for pipeline setup and giving self-service to developers to create and maintain their own pipelines for code
* In depth Knowledge of **monitoring infrastructure** with **New Relic** monitoring tool and configured **New Relic Agents** on several servers for monitoring
* Good experience in debugging the application by running in the debug mode and having the experience in usage of **log4J** to persist the data in log file
* Experience with an in-depth level of understanding in the strategy and practical implementation of **AWS Cloud-Specific technologies** including **VPC, EC2, EBS, S3, RDS, SNS, Cloud Formation**
* Created **AWS Launch configurations** based on customized **AMI** and use this launch configuration to configure auto scaling groups and Implemented AWS solutions using **VPC, EC2, S3, RDS, EBS, Elastic Load Balancer, Auto Scaling groups**
* Provisioned and maintained Amazon AWS Server Provisioning via **Anisble**. This included the provisioning of the instances, **ELBs, DNS**. Also contributed code to the **Jenkins-AWS** module on **GitHub**
* Responsible for proper functioning **DEV/QA/STG/PROD** environments for these applications
* Analyzed and resolved conflicts related to merging of source code for **GIT**
* Extensively Worked on **GitHub** for code check-ins/check-outs and branching
* Coordinate developers with establishing and applying appropriate branching, labeling conventions using **GIT** source control
* Installed, configured and administered **Jenkins CI tool** for automated builds
* Extensively worked on Jenkins for continuous integration and for End to End automation for all build and deployments

***Environment:***Agile/Scrum, SDLC, Linux environment, Windows environment, Confluence, Jenkins, Graylog, Ansible, Nexus, Maven, ANT, GitHub, Jira, Apache Tomcat, Apache http Server (HTTPD), Docker, AWS VPC, EC2, EKS, Route 53, S3, ELK, Auto Scaling, Shell Scripts, Code Commit, Code Build, Code Pipleine and Code deploy.

***Project:2***

**Project / Client :** **Capital one bank-US.**

**Role :** DevOps Engineer.

**Duration :** Sep xxxx- Till now

***Role: DevOps Engineer***

***Responsibilities***

* Experience in setting up the enterprise infrastructure on **Amazon Web Services** (AWS) like **EC2 instance**, **ELB**, EBS, **S3 Bucket**, **Security Groups**, **Auto Scaling**, **AMI**, **RDS**, **IAM Cloud formation**, **Cloud Front** & **VPC services**
* Implemented a **GIT** mirror for **SVN** repository, which enables users to use both **GIT** and **SVN**
* Implemented **Continuous Integration** using **Jenkins** and **GIT**
* Integrated customized automated deployment manager tool with the **GitHub** by changing and improvising the **shell scripts** previously used for **SVN**
* Developed build and deployment scripts using **ANT** and **MAVEN** as 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
* Designed and implemented **Nexus** binary repository and process. Configured pom.xml files to publish the artifacts into **Nexus repository** as part of the Continuous Integration (CI) process
* In-depth knowledge of **AWS automation** services - **Cloud Formation templates**, **Terraform**
* Created various **Maven** scripts to create multiple deployment profiles and deploy the applications to **Apache Tomcat**
* Communication with team members for both **Ansible Core** and **Ansible Tower** teams to clarify requirements and overcome obstacles
* Maintained and managed **Ansible Playbooks** responsible for deploying Framework and other cloud tools. Worked on Git Flow for production Release
* Experience in managing Ansible Playbooks with **Ansible roles**. Used file module in Ansible playbook to copy and remove files on remote system. Created inventory in Ansible for automating the continuous deployment
* Integrated Jenkins with various DevOps tools such as **Nexus**, **SonarQube**, **Junit**, **PMD**, **Cobertura**, **Selenium**
* Responsible for all **backup**, **recovery**, and **upgrading** of all the **PostgreSQL**databases
* Experience in using **Microsoft IIS Web Server**, **Tomcat**, **Web logic** and **WebSphere** Application servers for deployment
* Installed, tested and deployed monitoring solutions with **Splunk services** and deployment Server Topologies in **Splunk**
* Managing and Architecting more than 3000 virtual servers. Monitoring of Application and Servers through Nagios. Web Servers Administration on **Apache** and **Nginx**
* **Bash scripting** experience on creating automation process of application deployment.

***Environment:***Linux/Windows environment, SVN, GIT, GitHub, Ansible, Maven, ANT, Jenkins, PMD, Cobertura, Junit, Shell Script, Jira, Apache Tomcat, WebSphere, Nginx¸ Agile/Scrum, SDLC, Docker, AWS VPC,EC2, Route 53, S3, Auto Scaling, Splunk, TFS.

***TECHNICAL SKILLS***

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| --- | --- |
| Operating Systems | Linux, Windows |
| Programming Languages | Python, SQL |
| Scripting | Bash, Shell scripting, |
| Versioning Tools | GitHub,SVN |
| Automation Tools | Jenkins, Concourse CI |
| Build Tools | Maven,Ant,Gradle |
| Configuration Management Tools | Ansible,Chef |
| Databases | MYSQL, Oracle, PostgreSQL |
| Virtualization/Orchestration | Docker, Kubernetes(K8’s) |
| Monitoring Tools | New Relic, AWS CloudWatch |
| Cloud Technologies | AWS,AZURE |
| Application servers/Web Servers | Apache Tomcat,WebLogic, WebSphere/ Nginx, Apache Http Server (HTTPD) |