**AWS-DevOps Engineer**

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**PROFESSIONAL SUMMARY:**

Having total **6.2 years** of experience in the IT industry and 4.8years relevant into hands on experience with **AWS & GCP Cloud, DevOps, Apache Webserver (Httpd), Nginx, Tomcat Application Server, Linux/Unix, Shell (BASH) Scripting.**

**SKILL SUMMARY (DevOps & AWS):**

* Implementing **CICD** process. Good in implementing pipeline as a code in Jenkins.
* Integrating **Jenkins** and GIT in AWS.
* 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.
* Hands on Experience on Continuous Integration tool like Jenkins.
* Configuring jobs, master slaves and managing using in 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/Chef/Puppet.**
* 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,** Basic info on **Lambda (Serverless) & LAMP.**
* Securing VPC using security groups, Network Access Control List and Routing Tables. Hands-on Experience in configuration of Network architecture on AWS with **VPC, Subnets, Internet gateway, NAT, Route table.**
* Hands-on experience on monitoring tools like **AppDynamics, Splunk** and **Amazon Cloud Watch** to maintain various systems on different environments.
* Managing users and privilege services using **IAM** in AWS.
* 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.
* Knowledge on Configuring **SSL** using Self-Signed certificates between Application Server and Web Server, Web server and browser.
* 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.
* Setting up local test environments if required on the engineer’s machine using **Vagrant** and **VirtualBox**.

**PROFESSIONAL EXPERIENCE:**

* Currently working as a **Sr AWS-DevOps Engineer** in **IQVIA**, **Bangalore** from **Mar 2020** to till date.
* Worked as a **DevOps & AWS Engineer** in **Persistent Systems Ltd, Bangalore** from **Feb 2019** to till **Feb 2020**
* Worked as a **DevOps-AWS Engineer** at **Capgemini, Bangalore** from **Jan 2017** to **July 2018.**
* Worked as a **GIS** & **DevOps-AWS Engineer** in **Tech Mahindra, Hyderabad** from **March 2014** to **Sep 2016.**

**EDUCATION:**

* **B. Sc** (Bachelor of Computer Science) from **Osmania** University - Hyderabad in **2012 year.**

**TECHNICAL SKILLS:**

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| Global/Central/Remote/Online Repo | **GitHub**, **GitLab**, Bitbucket, Atlassian Stash |
| Version Control system | **GIT** |
| CICD Tools | **Jenkins** & Bamboo & Basic knowledge on Spinnaker |
| Build tools | **Apache Maven** /ANT/Gradle |
| Configuration Management | **Ansible** & Basic on Chef, Puppet, Salt stack |
| Containerization | **Docker** |
| Micro services/Orchestration | Docker Swarm **&** Kubernetes(K8’s) |
| Log Analysis | **Splunk**, AWS CloudWatch and ELK |
| Monitoring Tools | **AppDynamics**, Nagios, Zabbix, Datadog, RabbitMQ |
| Ticketing Tools | **Atlassian JIRA** and ServiceNow |
| Web servers | **Apache** and Nginx |
| Application servers | **Tomcat 7x** |
| Databases/AWS RDS services | **MySQL**, MSSQL, Oracle, MongoDB, PostgreSQL |
| Scripting Languages | **Shell (BASH)**, YAML, Groovy & Basic Python |
| AWS CLOUD PLATFORM | EC2, Route53, S3, RDS, VPC, ELB, IAM, RDS, SNS, ASG, AMI, CloudFormation, CloudFront, CloudTrail  ECS & ECR |
| GCP CLOUD | Basic into App Engine, Cloud Run, VM, Cloud storage |
| Artifactory | **Nexus**, JFrog and S3 |
| Code quality (Continues inspection) | **SonarQube**, JUnit, Mockito, IntelliJ |
| Operating Systems | **Linux**, Unix, Ubuntu, Centos, Windows |
| Provisioning Tools | **Terraform**, Cloud Formation, Packer |
| Networking Protocols | TCP/IP, SSH, DNS, HTTP. |

**PROJECT DETAILS:**

**IQVIA**

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| **Project #6**  Current Project | **eTMF-AI (Mar 2020 – till date)** |
| **Role** | **Sr AWS-DEVOPS Engineer** |

**Description:**

IQVIA have Clinevo electronic Trial Master File (**eTMF-AI)** is easy to use electronic Trail Master File in electronic (digital content) format for organizing and storing documents, images and other digital content of medical clinical trials.

**Roles & Responsibilities:**

* Running CICD pipeline from GitLab and taking the Docker image tag ID’s as variables and version (Values) as build numbers
* Getting python microservices codes and involving into branching strategy
* Involving into UAT, SVT and PROD environments
* Creating RBA for users
* Creating name spaces for Kubernetes level
* Checking Kubectl Pods information and logs information
* After running the CICD pipeline, we are checking the jobs success or not.

**Environment:** GitLab, Git, Docker, Kubernetes K8’s, RabbitMQ, ELK, AWS Cloud, Nginx

**IQVIA**

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| **Project #5**  Current Project | **SEARCH IQ (Mar 2020 – till date)** |
| **Role** | **Sr AWS-DEVOPS Engineer** |

**Description:**

SearchIQ is the healthcare project majorly patient’s information saves as documents and stores in database regularly. This is the most comprehensive list of analytics powering websites list updated and stats collected from various trackers included with free apps

**Roles & Responsibilities:**

* Login to the Windows servers for Bamboo by RDP
* Checking server’s status and services info into CICD pipeline
* Checking the Logs with ELK
* Checking QUEUES for servers and logs from RabbitMQ
* Running python microservices codes

**Environment:** Bamboo, Windows, RDP, CMD, RabbitMQ, ELK, Python Microservices Code

**PERSISTENT SYSTEMS**

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| **Project #4** | **Symmetry (Client-Intuit India Ltd) (FEB 2019 – Feb 2020)** |
| **Role** | **Module Lead Engineer** for AWS-DEVOPS |

**Description:**

Symmetry is vendor (AMAG) based product, that is being used by Intuit for global enterprise access and security control. This product has a client server setup with clients placed on Citrix and CORP network and server placed on in house server. As a part of this project, we will be moving the server setup to AWS cloud environment. Symmetry is a project which is taking entire organizations (in the all over world) and their company resources details and offices in and out timings captured by the biometrically.

**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, Kubernetes K8, Splunk, ServiceNow, JIRA, AWS Cloud, Apache Tomcat, Nginx, SonarQube, Junit

**CAPGEMINI**

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| **Project #3** | **GE AVIATION (Client - USA) (Jan 2017- July 2018)** |
| **Role** | **Cloud Ops Engineer** |

**Description:** GE Aviation, a subsidiary of General Electric, is headquartered in Edendale, Ohio, outside Cincinnati. GE Aviation is among the top aircraft engine suppliers and offers engines for most commercial aircraft. GE Aviation is part of the General Electric conglomerate, which is one of the world's largest corporations.

**Roles & Responsibilities:**

* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* 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)
* Used Jenkins, Build forge for Continuous Integration and Continuous Delivery (**CICD**) into Tomcat Application Server
* 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), Autoscaling (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:** Jenkins,Maven, GIT, Ansible, ServiceNow JIRA, AWS, Apache Tomcat.

**TECH MAHINDRA**

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| **Project #2** | **Uniprise Health Care Services (UHC, USA) (Apr 2016 - Sep 2016)** |
| **Role** | **AWS(Cloud)-DevOps Engineer** |

**Description:**

UHCS is a global health and wellness health care company. UHC has been a leader in the individual health market for more than 60 years and offers a wide variety of health insurance plans. The National Accounts portion of business focuses on large employers with 3,000+ employees. UHC collaborate with large and sophisticated companies to help them deliver effective and efficient health care benefits programs to their employees or future retirees.

**Responsibilities:**

* 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 Cloud Formation scripts to automate EC2 instances.
* Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Auto Scaling.
* Created alarms and notifications for EC2 instances using Cloud Watch. Installed and configured Nagios monitor tool performance on all nodes.
* 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.

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

**TECH MAHINDRA**

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| **Project #1** | **Continuous GEO (Mexico) Client: HERE, USA.**  **(March 2014- Mar 2016)** |
| **Role:** | **GIS Engineer**  **(Software Used: Bison Tool (Client Own Software))** |

**Description:**

This project will enhance the HERE database by adding new geometry by referring available imagery and GPS and updating Naming & addresses with reference of shape file provided by client. While doing GEO edit, we have updated attributes like Z- levels, Paved and unpaved, Admin coding, Dividers, RDM’s etc. as per specifications.