

**Name: Abhilash D.**

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**Professional Summary:**

* Good experience in core AWS services (S3, EC2, ELB, ECS, EBS, Route53, VPC, Auto scaling, Elastic Beanstalk, and Cloud Formation, IAM, CloudWatch).
* Created IAM policies to grant granular permissions to specific AWS Users, Groups, and Roles.
* Worked with Elastic Load Balancers, created Launch Configurations and Auto-Scaling Groups.
* Executed project specific business discussions with customers, requirements gathering and daily status updates to client.
* Experience in Devops Engineering in automating, building, and deploying of code within different environments.
* Expertise Configuration/Release/Build Management.
* Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
* Excellent experience in traditional Waterfall and Agile methodologies
* Expertise in creating and maintaining S3 buckets with versioning, control restricted access to buckets with permissions, creating lifecycle rules to move buckets to Glacier for infrequently accessed data.
* Expertise in configuring ELB (Elastic Load Balancer) and Auto scaling once the server reaches maximum CPU utilization and creating AMI (Amazon Machine Image).
* Maintain system availability as per multiple Service Level Agreements (SLA).
* Produce monthly reports on activity where needed and explain any abnormal system performance.
* Make recommendations to improve the health of the system where necessary.
* Provide on-call support as scheduled and provide support to other on-call support people for critical incident where expertise help would be required.
* Provide support to the technical escalation from the team and Coordinate service calls and requests with team members where necessary.
* Good hands-on exposure with ETL tools.
* Hands-on experience working with agile methodologies.
* Manage and configure AWS services as per the business needs (ELB, SNS, EC2, Route53, S3, RDS, Cloud Watch, IAM, SNS, VPC, SES, Lambda, Dynamo DB)

**Technical Skills:**

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| **Software Delivery Models** | Waterfall Model, Agile Methodologies. |
| **Operating Systems** | Windows server 2008/12, Linux (Ubuntu), Unix |
| **Cloud/Virtualization** | Amazon Web Services (AWS) |
| **Databases** | MySQL, MS SQL Server 2012, RDS, Oracle 11g |
| **Web/App Servers** | Apache Tomcat, Web Logic, Web Sphere |
| **Programming Languages** | C, Core Java, Python |
| **Cloud Technologies** | **AWS** (S3, EC2, ELB, EBS, Route53, VPC, Auto scaling, Elastic Beanstalk, Cloud Formation, Service Mesh, IAM, ACL, Cloud watch and Cloud trail etc.) |
| **Ticketing Tools** | ServiceNow, HP Quality Center |
| **Web/UI Technologies** | JavaScript, HTML, XML, CSS |
| **Monitoring Tools** | Cloud Watch, Splunk, Grafana |
| **Version Control** | Git, SVN, Jenkins |
| **INTEGRATION TOOLS** | Salt stack, chef, puppet |

**Professional Experience:**

**Client:** Nationwide, OH  **Sep** 2022 – Present

**Role:** AWS Devops Engineer.

**Responsibilities:**

* Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Configuring and Networking of Virtual Private Cloud (VPC).
* Developed Cloud Formation scripts, deployed AWS resources and automated EC2 instances.
* Automated cloud deployments using AWS cloud formation.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Bash to automate routine jobs.
* Used Groovy script for CI/CD pipeline builds and actively involved in the entire pipeline setups and Jenkins configuration.
* Experienced in creating various dashboards, metrics, alarms, and notifications for servers using AWS Cloud Watch and Grafana.
* Managed servers on the Amazon Web Services (AWS) platform instances using Puppet, Chef

Configuration management.

* Writing Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Automated the deployments using configuration management tool Ansible.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Creating Cloud Watch alerts for instance and using them in Auto-scaling launch configurations.
* Expertise in migrating applications from monolithic to microservices using tools Docker and Kubernetes.
* Experience in transforming legacy applications to the cloud environment.
* Build scripts using Maven build tools in Jenkins to move from one environment to other environments.
* Created scripts in Python to automate log rotation of multiple logs from web servers.
* Implemented Continuous Integration using Jenkins and GIT.
* Worked with a complex environment on Red Hat Linux and Windows Servers while ensuring that these systems adhered to organizational standards and policies.
* Used JIRA, ServiceNow and Moogsoft tools for bug tracking and work progress.
* Implemented ISTIO as a service mesh component to observe and control network flow across services running in multiple Kubernetes clusters.
* Involved in scrum ceremonies (stand-up, grooming, planning, demo/review, and retrospective meetings with the teams to ensure successful project forecasting and realistic commitments.
* Configured SNS for S3 and Lambda functions for notifications.
* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Created Splunk Alerts and Dashboards to monitor the applications after deployment.
* Deployed Python scripts using Docker and Kubernetes.
* Maintained Kubernetes pods after deployment.
* Developed AWS cloud formation Templates in YAML for creating Lambda, SQS, and SNS with specified permissions.
* Supported production and pre-production environments in resolving issues on demand.
* Experience working with version control systems like Subversion, GIT and used Source code management tools GitHub, Bitbucket including command-line applications.

**Environment:** Red hat Linux, AWS (EC2, EMR, S3, ELB, Elastic Beanstalk, Elastic File system, RDS, VPC, Route53, Security Groups, Cloud Watch, Cloud Formation, IAM Rules, Python, Ansible, Docker, Jenkins, JIRA, Maven, and Git

**Client:** Nutrisystem, PA Aug 2021 – August 2022

**Role:** AWS Cloud Engineer

**Responsibilities:**

* Building servers using AWS, importing volumes, launching EC2, creating security groups, auto-scaling, load balancers, Route 53, SES and SNS in the defined virtual private connection.
* Used IAM to create new accounts, roles, and groups.
* Used Auto scaling and Elastic Load Balancer features on EC2 instances to serve the end users using applications during unexpected traffic/demand.
* Configuring IAM roles for EC2 instances and assigning them policies granting specific level access to S3 buckets. Using Cloud Watch service, created alarms for monitoring the EC2 server’s performance like CPU Utilization, disk usage etc.
* Using Amazon RDS Multi-AZ for automatic failover and high availability at the database tier for MySQL workloads
* Configuring and managing AWS Simple Notification Service (SNS) and Simple Queue Service (SQS).
* Created Snapshots and Amazon Machine Images (AMI's) of EC2 Instance for snapshots and creating clone instances.
* Configured Elastic load balancers for incoming loads.
* Performed query relation operation using SQL Developer tool & SQL.
* Build scripts on AWS cloud for scheduling EC2 auto scaling load balancer with python.
* Experience in creating alarms and notifications for EC2, Lambda instances using Cloud Watch.
* Migrated applications from internal data center to AWS.
* Worked with cloud providers and APIs for Amazon (AWS) EC2, S3, VPC with Cloud Sigma (EU) and GFS storage.
* Used AWS Command line client (CLI) and management console to interact with AWS resources and APIs.
* Good hands-on experience with configuring Elastic Search with built-in integration tools like Kibana and Logstash.
* Good hands-on exposure with building CI/CD pipeline using Bitbucket and Bamboo.
* Configured SNS for S3 and EC2 instances for notifications.

**Environment:** Jenkins, S3, Autoscaling, EBS, ELB, RDS, Maven, GIT, Apache Tomcat, SSO, IAM, Lambda, PostgreSQL, VPN, VPC, Docker, CloudFormation, EMR, Bitbucket, GitHub, SonarQube, Selenium, GOCD, Lambda, Confluence, Jira, Linux, AWS EC2, S3, CloudWatch, IAM TOAD, TIBCO, Informatica.

Client: IBM, INDIA Sep 2018 to July 2021

 **Role:** AWS Devops Engineer

Responsibilities:

* Built a set of security policies which helps manage access to AWS resources using accounts, users, and groups.
* Created development (Dev), quality assurance (QA) and user acceptance test (UAT) environments and each environment has 20 instances having separate VPC per environment.
* Implemented a comprehensive monitoring and logging strategy to support the Application logs, cloud logs and system logs.
* Implemented AWS Cloudwatch which monitors Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are important for deployment.
* Created alarms in Cloud watch service for monitoring the server performance.
* Developed monitoring and notification tools using Python.
* Designed a Deployment pipeline for the given Conductor application that is updated automatically every time you change the code.
* Integrated services like GitHub, AWS Code Pipeline, Jenkins, and AWS Elastic Beanstalk to create a deployment pipeline.
* Here GitHub is used for source code repository, Jenkins is used for continuous integration and continuous delivery.
* Used build tools such as Ant/Maven to automate and enhance the overall operational environment.
* Integrated various provisioning and monitoring modules into a single platform using Jenkins CI tools.
* Enabled Continuous Delivery through Deployment into several environments of Development, Test and Production

 Environment: AWS (EC2, EMR, S3, ELB, Elastic Beanstalk, Elastic File system, RDS, DMS, VPC, Route53, Security Groups.

**Client:** Iris Technologies, Hyderabad, India Aug 2016 to August 2018

**Role:** Jr Software Engineer

**Responsibilities:**

* Actively participated in the Analysis and design of the project.
* Designed use cases and other technical design documentation along with other team members for the Application as per the business requirements.
* Followed Agile (SCRUM) methodology and coordinated status sessions.
* Developed build Scripts using Ant.
* Designed and Implemented MVC architecture using Spring Framework, which involved writing Action Classes/Forms/Custom Tag Libraries &JSP pages.
* Developed user interfaces using JSP, Ajax, JavaScript and JQuery.
* Used GIT for Versioning of source code.
* Designed framework for end user acceptance testing.
* Understood Business Process from the requirements and converting them to test scenarios and writing complex SQL queries to suite the requirement.

**Environment:** Java, JSP, JavaScript, Ajax, jQuery, Sql,Oracle 9i, XML, GIT, Junit.,