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### Career Objective:

To work in a dynamic professional environment with a growing organization and utilize my creativity and innovative thinking for the benefit of the organization and myself.

### Core Qualifications:

- Integrated **GIT** into **Jenkins** to automate the code check-out process by defining Release Process & Policy for projects early in **SDLC**.
- Strong Knowledge on **DevOps/AWS** tools such as **Chef, Ansible, Jenkins, Maven, ANT, SVN, GIT, and Docker**.
- Experience working on migrating applications from internal data center to **AWS** instances by setting **Security Groups, Elastic Load Balancer and AMIs, Auto Scaling** to design cost effective, fault tolerant and highly available systems.
- Experienced with both framework and cloud formation to automate **AWS** environment creation. Ability to deployment on **AWS**, using build scripts (**Boto 3 & AWS CLI**) and automates solutions using **Shell** and **Python**.
- Strong knowledge and experience on **AWS** Cloud services like **EC2, S3, EBS, RDS, VPC, and IAM** also familiar with **Cloud watch, Elastic IP's** on **AWS**.
- Built the **AWS** cloud formation templates to deploy the **AWS stack** by setting up Auto scale for instance group using **AWS** command line tools and **AWS** cloud environment for **Dev/QA** environments.
- Managed Linux and Windows virtual servers by configuring and monitored distributed and multi-platform servers using **Chef** on **AWS EC2**.
- Build highly available content distribution sites by using CI/CD tools like **Chef, Ansible, Docker, Maven, Jenkins, Jira, etc.**
- Strong Knowledge on **Splunk** and splunk query language for analyzing the machine data and reporting.
- Developed automation to quickly and rapidly deploy instances from hardened machine images.
- Provisioned the highly available **EC2** instances using **Terraform** and **Cloud Formation** and wrote new plugins to support new functionality in **Terraform**. Managed **AWS** infrastructure as code using **Terraform**.
- Responsible for working on several **Docker** components like Docker Engine, Docker Hub, Docker Compose, Docker Registry and Docker Swarm.
- Responsible for Creating and Managing User accounts, password, security, rights, disk space and process monitoring in **CentOS, Red Hat Linux and Solaris**.

### Key Skills and Experience:

**Languages:** Java, Shell scripting, Ant, Maven, JSP and Python.

**Version Control Systems:** Subversion, Git, CVS.

**Automation/Build Tools:** Jenkins Docker, Chef, Puppet, Ansible.

**App & Web Servers:** WebLogic, WebSphere, Tomcat, JBoss, Apache, Atlassian JIRA.

**Databases:** Oracle, MySQL, NoSQL Databases.

**Virtualization:** Docker, Amazon AWS/EC2, Google Cloud Compute, AppEngine.

**Platforms:** Linux and UNIX, iOS, Android, Solaris, Windows

**Network/Infrastructure:** TCP/IP, DNS,

### Education:

**Master's Degree**– Computer and Information Sciences

(Database Development )

Southern New Hampshire University

GPA **3.86** on a **4.0** scale

**2017**

New Hampshire

- **Coursework:** Principles of Database Design, Database Application Development, Data Warehouse Implementation, Website Construction and Management.
- **Project: Enterprise Management System on a Force.com**

This project helps large organizations to work on single platform by developing the CRM, ERP and Recruitment applications on salesforce and other applications can also be integrated by Web Services using API's by using APEX and Visualforce programming Languages.

**Tools: Force.com, Data Validation Rules, Workflow rules, Reports and Dashboards.**

**Bachelor's Degree** – Electronics and Communication Engineering

Jawaharlal Nehru Technological University

GPA **3.82** on a **4.0** scale

**2014**

India

- **Project: Two Way Wireless Data Communication In Rural Areas By Using ZigBee Technology**

This project helps in short range communication problems in rural areas by using the ZigBee technology and it was developed on IEEE8086 processor by using Embedded C language.

**Tools: Xilinx IDE, Data Loader, IEEE8086 Processor**

## Work Experience:

### Fidelity Investments Sr DevOps Engineer

March 2022 – Present

- Improved team productivity and streamlined development workflows by migrating to GitHub's centralized repository management system from Bitbucket.
- Provide technical assistance for Azure services such as Virtual Machines, Azure Storage, Azure Networking, and Azure Active Directory.
- Handle incidents, requests, and change requests related to Azure services.
- Developed and maintained automation scripts to automate Azure deployments with terraform and Azure DevOps Pipelines.
- Created and managed Azure resources such as Resource Groups, Network Security Groups, and Virtual Networks
- Designed and implemented robust and scalable build pipelines for micro-services architecture using Java, Node.js, and Python-based applications.
- Collaborated with cross-functional teams, including developers, testers, and operations, to ensure smooth integration of build pipelines into the overall development workflow.
- Designed and executed a comprehensive migration plan to transfer containerized micro-services from ECS to EKS, minimizing downtime and disruptions to production systems.
- Reconfigured and adapted micro-services deployments to align with Kubernetes specifications, including defining and managing Kubernetes resources such as pods, services, deployments, ingress, and namespaces.
- Orchestrated containerization of micro-services using Docker or Kubernetes, enabling seamless deployment and scalability.
- Designed and implemented Helm charts for deploying AWS EKS applications, ensuring efficient and scalable deployment of containerized applications.
- Leveraged Kubernetes and Helm best practices to create reusable and version-controlled Helm charts for AWS EKS deployments.
- Developed customized Helm templates and values files to enable flexible and configurable deployments, accommodating varying application requirements.
- Integrated Helm charts with CI/CD pipelines Jenkins to automate the deployment and release of AWS EKS applications.
- Implemented strategies for managing secrets and sensitive configuration data in vault and used Helm charts with init-container to pull secrets into containers, ensuring secure and compliant deployments.

### CapitalOne Inc Sr DevOps Engineer

Dec 2020 – March 2022

- Responsible with automation, idempotent deployments testing, continuous delivery pipelines (e.g. Go CD/Jenkins), and documentation.
- Designed and Implemented CI/CD pipelines using Gitlab to build and deploy with different GitLab runners as need for the automation tasks.
- Enforced best practices of utilizing the GitHub with pull request strategies and utilizing Mend for finding vulnerable packages in dependencies and utilized Secrets Scanning for sensitive values exposure findings.
- Used **Terraform** to map more complex dependencies and identify network issue.
- Worked on developing the Jenkins scripted pipelines using groovy utilizing the functionality of Java based Jenkins shared library.
- Created and maintained Docker Images for ECS Cluster and worked on creating Service and Task Definitions.
- Developed and automated the AWS Lambda to stop and start instances at specified time interval using the Cloud Watch Cron Definition.
- Developed and implemented the full lifecycle of kitchen-based unit test cases for infrastructure using Ansible.
- Worked on developing the AWS based framework to provide the framework as service using boto3 library of python
- Worked on developing the CloudFormation templates to use spot instances for EC2, EMR, ECS by following the High Availability and achieved the reduction of cost.
- Built an Internal tool using python to use the EMR cluster for big data applications in an efficient and optimized way.

### Equifax, INC Site Reliability Engineer:

Sept 2020 – Dec 2020

- Used **Terraform** to map more complex dependencies and identify network issue.
- Working knowledge of managing applications and services in private and public cloud preferably AWS and GCP
- Worked on developing the Jenkins-shared-library pipeline for Java based applications using the build tool of maven and deployed to Kubernetes clusters.
- Developed and implemented the AWS Kubernetes cluster with Horizontal Pod Autoscaler and Vertical Pod Auto scaler
- Worked on **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.
- Worked on setting up the Elastic Kubernetes cluster and Docker based micro services to run in different environments.
- Implemented Datadog to Monitoring the Infrastructure and Application Performance with centralized logging and created the data-dog dashboards.

**CapitalOne Inc**  
**DevOps Engineer:**

**Oct 2018 – Sept 2020**

- Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with scripts to automate routine jobs to speed up deployments.
- Automate provisioning and repetitive tasks using **Terraform** and **Python**, Docker container, Service Orchestration
- Developed and modify existing **SQL** code to meet reporting objectives.
- Good experience in developing customized policies in **APIGEE Edge** and developing API's in **APIGEE** Baas.
- Delivered enterprise application integration solutions using IBM Integration stack of products **IBM Integration Bus (IIB), MQ, Data power.**
- Worked on creating the API Endpoints using the **APIGEE of Google Cloud.**
- Secured Enterprise Web Services using **IBM DataPower appliances** XS-40 and XI-50.
- Experience working with APIGEE Edge, Developer Portal & APIGEE Baas platform.
- Implemented **log4j** to monitor the Error Logs and Trace logs for the **Java** Based Applications.
- Responsible for validation of Client Interface **HTML** pages using **JavaScript** and **jQuery**.
- Involved in development of front-end components using **Spring MVC, JSP, JavaScript, JAVA, and JSON.**
- Troubleshooting and monitoring **API** proxies running on **APIGEE** using Trace tool.
- Experience in designing a **Terraform** and deploying it in cloud deployment manager to spin up resources like cloud virtual networks, **Compute Engines** in public and private subnets along with **AutoScaler** in **Google Cloud Platform.**
- Developed the CloudFormation to create EMR, EC2, Lambda and other variety of resources
- Implemented the Blue-green deployments with Route 53 and Elastic Load Balancer to have high-availability and Regional Isolation.
- Creating and managing users and groups, installation of packages and services on RedHat Enterprise Linux.
- Implemented the Prometheus Integration on all EC2 instances and created dashboards to monitor Infrastructure and Container Metrics.
- Installation, Configuration, and Management of Data Dog agent on instances and building the dashboards for monitoring and reporting with real-time metrics.
- Creating S3 buckets and maintained and utilized the policy management of S3 buckets and Glacier for storage and backup on AWS and providing role-based access and maintaining the bucket policies to give a user the least privileges as needed.

**Vintech Solutions**  
**DevOps Engineer:**

**April 2017 – October 2018**

- Automated build and deployment using Jenkins to reduce human error and speed up production processes.
- Good working knowledge of Amazon Web Service components like **EC2, EMR, S3.**
- Developed **AWS** Cloud Formation templates to create custom sized **VPC**, subnets, NAT, **EC2** instances, **ELB**, Security Groups.
- Performed Auto Scaling, Elastic Load Balance and AMIs and utilized EBS to store persistent data and mitigate failure by using snapshots
- Managed **GitHub** repositories and permissions, including branching and tagging.
- Installed **Chef** Server enterprise On-Premises/WorkStation/Bootstrapped the Nodes using **Knife.**
- Developed build and deployment scripts using ANT and MAVEN as build tools in Jenkins to move from one environment to other environments.
- Installed and configured Nagios to constantly monitor network bandwidth, memory usage, and hard drive status.
- Involved in development of front-end components using **Spring MVC, JSP, JavaScript, JAVA, and JSON.**
- Troubleshooting and monitoring **API** proxies running on **APIGEE** using Trace tool.
- Developed Docker Images in using tools like **Docker Compose, Kubernetes**, for **Orchestrating** and deploying the services related to the **Containers** and with container-based deployments using **Docker**, working with **Docker images, Docker hub.**
- Implemented the branching, tagging, develop, manage Pre-commit, Post-commit hook scripts and maintaining the versions across different Source Code Management (SCM) tools like **GIT, Subversion (SVN)** on **Linux** and **Windows** platforms and SCM client tools like **GitLab, GitHub, GitGUI, and Bitbucket.**
- Work on AWS CloudWatch to monitor the performance environment instances for operational and performance metrics during load testing.
- Knowledge on NoSQL databases like Cassandra, Mongo dB and their architecture.

**Certification:**

**AZ-900: Microsoft Azure Fundamentals**  
**Aws Certified Solutions Architect – Associate**  
**Aws Certified Developer- Associate**  
**Aws Certified Solutions SysOps Administrator- Associate**  
**Aws Certified DevOps Engineer**  
**Aws Certified Security Specialty**  
**Docker Certified Associate**  
**Terraform Certified Associate**

