**NEETHU**

CURRENT LOCATION: San Diego, CA 92129

**Relocation: OPEN to Relocate anywhere in the US**

**VISA: H4 EAD VISA AVAILABLE ONLY FOR CORP-CORP ROLES**

**DevOps Engineer | Cloud Engineer | AWS Engineer | Cloud Developer | AWS Developer**

**Profile**

* Highly motivated **Agile SAFe certified** DevOps automation engineer with around **10+** years of experience of which 7+ years of experience is in the fields of **DevOps**, **Cloud**, **IaC**, Infrastructure, Design, Deploy, Manage, Setups, Migrations and Support in global enterprise-level cloud environments.
* Involved in extensive work towards code compilation, packaging, building, debugging, **automating**, managing, tuning and **deploying code** across multiple environments and Linux Administration.
* Knowledge of Amazon **EKS**, **EC2**, **S3**, **IAM**, **VPC**, **Load balancing**, Databases and application services in the AWS cloud infrastructure.
* Configuration of AWS Elastic Load balancer and Auto Scaling and configuration of **AWS RDS PostgreSQL** Instances in Multi Availability Zone.
* Worked on Version control tools like **GIT** and has strong knowledge on source controller concepts like Branching and Merging.
* Responsible for building application full automation pipeline for deployment into AWS using **GitHub Actions**, **JFrog Artifactory** and **Terraform**.
* Experience with a variety of databases including **MongoDB**, **MySQL**, **PostgreSQL**.
* Experience designing and deploying container-based production clusters using **Docker**, **Kubernetes**, JFrog.
* Deployed Docker containers through **Kubernetes** to manage the micro services using its nodes, ConfigMaps, selector, Services, Pods.
* Used **Atlassian** tools **JIRA** for defect management, team collaboration and continuous integration and deployment practices.
* Written Templates for AWS infrastructure as code using **Terraform** to build staging and production environments.
* Utilized **Cloud watch** to monitor resources such as EC2, CPU memory, Amazon to design high availability applications on AWS across availability zones.
* Experience on Web application frameworks **HTML5, CSS3, JavaScript,JAVA, JSON, JQuery.**
* Expertise in Scrum Methodologies such as **Agile** Safe methods, software development  
   lifecycle management, continuous integration, build and release management and managed environments.

**Skill Sets**

|  |  |
| --- | --- |
| **Global Cloud Platforms**   * Amazon Web Services * Microsoft Azure * Google Cloud Platform. | **Programming Languages**   * Javascript * Bash * YAML |
| **Monitoring Tools**   * AWS GuardDuty * Nirmata * Corestack | **Pipeline Tools**   * GitHub Actions * Jenkins |
| **Micro-Services**   * Docker-Container * Kubernetes | **Image repositories**   * Docker * Jfrog |
| **Databases**   * MongoDB * PostgreSQL * RDS-Amazon Aurora |  |

**EXPERIENCE**

**Devops Engineer, Sreyo, NY 2019-Present**

**PROJECTS:**

**Managedorg,NY 2021-Present**

* Used infrastructure as code(**IaC)** software tools such as **Terraform** to write scripts and managed infrastructure automation using the same in **AWS, GCP and Azure**.
* Implemented AWS solutions using **EC2, S3, EKS, GuardDuty, Autoscaling groups,RDS**.
* Configured AWS **IAM** and **Security Groups** in Public and Private Subnets in VPC.
* Implemented automation tools like **GitHub Actions** to automate build and deployment process for applications leading up to building a continuous integration and continuous deployment (**CI/CD**) system for all our products.
* Used images repositories like Docker Hub and **JFrog Artifactory** to facilitate deployment of applications to the cluster.
* Implemented containerized technologies and container orchestration frameworks like **Docker** and **Kubernetes** and their offerings on AWS and Google Cloud Platform.
* Simplified traffic management and addressed challenges developers face with our architecture by implementing **Istio service mesh**.
* Developed effective monitoring and security using **AWS GuardDuty** and third party tools like **Nirmata** and **Corestack**.
* Developed and implemented software release management strategies for various applications according to the agile process.
* Manage our continuous integration and delivery pipeline to maximize efficiency
* Thorough understanding of and experience in working with **SAFe** agile principles
* Took part in DB migration from **MongoDB** to **PostgreSQL** hosted in **Amazon Aurora**, as part of **Strapi** upgrade.

**Allianz - Minneapolis 2020-2021**

* Worked on public cloud infrastructure using **AWS** Product and Services **Ec2**, **virtual private cloud (VPCs), IAM, Security Groups, S3, Cloud Watch** and Security Services **AWS Shield**.
* Write **Terraform** scripts from scratch for building Dev, Staging and Prod environments.
* Deploying the code and provisioning the cloud Environments cloud tool like **Microservice**.
* Defined dependencies and plugins for various activities and integrated it with GIT to manage and deploy project related tags and administered Artifactory repository.
* Automated deployment, scaling, and management of containerized applications using **Kubernetes**.
* Created, maintained, and automated the scripts.
* Involved in the Automation Deployment team and developed/managed automated deployment to various servers.
* Installed, developed, and implemented Linux infrastructure, and managed Databases.
* Maintained the monitoring and alerting of production servers using **CloudWatch** service and used **CloudTrails** to track.
* Created Log collection in **ELK** installed on all nodes in cluster to send log data.
* Review firewall policies on a regular basis for compliance and ensure to follow best practice for firewall deployments using security Management tools.
* Troubleshooting Network, memory and File system issues, **TCP/IP,** and **DNS** in Linux

**Liberty Mutual,IN 2019-2020**

* Primary responsibilities consist of Build and Deployment of the applications into different environments like Dev, QA and Prod.
* Gathered all the **stakeholder approvals, necessary sign-offs** while acting as a DevOps/Release manager for two development teams.
* Responsible for Continuous Integration (**CI**)and Continuous Delivery (**CD**) process implementation-using Jenkins along with Shell scripts to automate routine jobs.
* Installed, Configured and Administered **Jenkins** Continuous Integration Tools.
* Worked with development/testing, deployment, systems/infrastructure, and project teams to ensure continuous operation of build and test systems.
* Performed regular Cron jobs updates and Configured **Jenkins** to implement nightly builds on daily basis and generated change log.

**AWS & DevOps Engineer— Staples, MA 2016 – 2019**

* Responsible highly motivated and committed DevOps Engineer experienced in Automating, configuring, and deploying instances on **AWS**, cloud Environment and Data centers.
* Familiar with **EC2, virtual private cloud (VPCs), IAM, Security Groups, S3**.
* Managing users like creating, deleting, and granting proper privileges and managing system security.
* Analyze and resolve compilation and deployment errors related to code development, **GIT branching** and **merging**.
* Created, maintained, and automated the scripts.
* Responsible for designing and deploying best **SCM** processes and procedures.
* Performed regular Cron job updates and Configured **Jenkins** to implement nightly builds on daily basis and generated change log.
* Developed Cron jobs and Shell Scripts for automating installations to extract logs and administration tasks like process management, backup and restore.
* Worked with development/testing, deployment and Project teams to ensure continuous Operation.
* Troubleshoot tickets on the tracking systems.
* Configuring network services such as **DNS/NFS/NTP for UNIX/Linux Servers**.

**Java Developer— SREYO Tech Web Innovations Pvt Ltd 2012 – 2014**

* Developed web pages using Servlers and JavaBeans..
* Created GUI using HTML?HTML5, CSS/CSS3, JSP, javascript and jQuery.
* Designed and developed signup and login pages using HTML and javascript and used Parse to save user information on the cloud.
* Responsible for creating, reading, updating and deleting tables in the database as per requirements.
* Involved in Testing of developed Servlets.
* Involved in connecting databases with Servlets and JDBC.

**Certifications**

**Certified SAFe® 5 Practitioner**

**AWS Cloud Practitioner**

**Education**

**Mahatma Gandhi University, Kerala, India — Bachelors in Electronics and Communication Technology, 2009**