Raj A

DevOps Engineer, 5+ years experience
Delhi, India
https://augmntx.com/profile/devops-engineer-raj-a/axo27449

+91 9820045154 | hr@augmntx.com

I have managed the SDLC and gained experience with the CI/CD tool Jenkins. I possess hands-on experience with the build tool Maven for compiling, testing, and packaging artifacts into S3 and Nexus. I am highly skilled in AWS services such as EC2, S3, ELB, Launch Templates, Auto Scaling, CloudWatch, Security Groups, SNS, SES, VPC, IAM, Route53, CloudTrail, CloudFront, Lambda, EBS, EFS, and Git. I have automated the backup of EBS volumes, including backup creation and retention using Lifecycle Manager. I have configured Jenkins jobs with related plugins for compiling, testing, and deploying Microservices using Helm Charts. I have experience with Kubernetes and EKS cluster deployments using manifests and Helm Charts available on GitHub. I have also directed external traffic to different services using Ingress Controller and configured its DNS via Route53. I have monitored host metrics and created alerts using Prometheus, along with data visualization in Grafana. I have proficient experience with the containerization tool Docker, including writing Dockerfiles for creating Docker images, attaching volumes to containers, removing images, and managing containers. I also have experience with the configuration management tool Ansible, writing multiple playbooks and creating roles.

INDUSTRIES: Software and Platforms

TECHNICAL SKILLS

• DevOps	5 years
• Terraform	4 years
• AWS	4 years
• Docker	1 years
• Neesus	1 years
• snyk	1 years
• Kubernetes	1 years

SOFT SKILLS

Teamwork, Time management, Critical thinking

PROJECT DETAILS

• Human Resource Management System

Project Description: Responsibilities: Working on branching strategies for GIT. Launching EC2 Linux instances on Amazon cloud and creating security groups, changing rules and restricting access and configuring cloud watch alarms. Amazon IAM service enabled to grant permissions and provisioning the infrastructure using Jenkins. Using Cloud Watch service, created alarms for monitoring the EC2 servers performance like CPU Utilization.

Responsibilities: Integrated GIT into Jenkins to automate the code check-out process. Creating and maintaining the Jenkins slaves for distribution of loads. Used MAVEN as build tool on java projects for the development of build artifacts on the source code. Hands on experience on Configuration and Package Management, writing playbooks, creating roles, modules for file management, user management, copy, move, file permissions, git using Ansible. Monitoring daily builds using the CI CD tool Jenkins and verifying logs if a build fails. Worked on Containerization tool like Docker, writing Docker files, building docker images using multistage build concept to reduce the resource constraints like image size and vulnerabilities and verify Deployment logs to check for successful deployments.

Technologies: GIT, Jenkins, MAVEN ,MAVEN

Industry: Software and Platforms

• E-Health at Outpatient Management

Project Description: Provisioned the AWS Infrastructure using IAC tool Terraform. By using Terraform, I automated the provisioning of AWS resources, enabling consistent and repeatable infrastructure deployments. This included setting up secure VPC environments with proper security groups, route tables, and internet gateways to ensure secure network for the application. Maintenance of fault tolerance and high availability, scalability using load balancer to meet the spike in the workloads

Responsibilities: I created and maintained CI CD pipelines in Jenkins, integrating Git, Maven, Docker, and Kubernetes for seamless and automated deployments across multiple environments, reducing deployment times and minimizing human error. Deployment of Microservices and Services on Kubernetes using the Manifests and Helm Charts. Creating and maintaining the Jenkins slaves for distribution of loads. Directing the external traffic to different services using Ingress Controller and pointing the Ingress Controller DNS via Route53. Monitoring the host metrics and Alerting using Prometheus and data visualization using Grafana. Creating jobs for deployment using the CI CD tool such as Jenkins. Integrating the Jenkins with the Git, GitHub, SonarQube, Maven, Nexus, Docker, Trivy, EKS. Using Configuration management tool Ansible for configuring multiple servers. Worked on Containerization tool Docker like writing Docker files and creating Docker Images out of them. Worked on Python for automation, scripting, infrastructure as code, CI CD, monitoring, and integrations. Worked on Nginx for reverse proxy and deploying the helm charts using package manager Helm on EKS. For Collaboration and Tracking I effectively used Jira to manage ongoing tasks and track issues, enabling transparent and efficient project management.

Technologies: Terraform, Kubernetes , Jenkins, integrating Git, Maven, Docker,, SonarQube, Maven, Nexus, Docker, Trivy, EKS

Industry: Software and Platforms

EMPLOYMENT HISTORY

• DevOps Engineer September-2020 - June-2025

Description: Managed the SDLC and gained experience with the CI/CD tool Jenkins. Hands-on experience with Maven for compiling, testing, and packaging artifacts into S3 and Nexus. Highly skilled in AWS services such as EC2, S3, ELB, Launch Templates, Auto Scaling, CloudWatch, Security Groups, SNS, SES, VPC, IAM, Route53, CloudTrail, CloudFront, Lambda, EBS, EFS, and Git. Automated EBS volume backups, including backup creation and retention, using Lifecycle Manager. Configured Jenkins jobs with related plugins for compiling, testing, and deploying microservices using Helm Charts. Experienced in Kubernetes and EKS cluster deployments using manifests and Helm Charts from GitHub. Directed external traffic to services using Ingress Controller and configured DNS via Route53. Monitored host metrics and configured alerts using Prometheus, with data visualization in Grafana. Proficient in Docker, including writing Dockerfiles for creating Docker images, managing containers, attaching volumes, and removing images.

EDUCATION

• Bachelors degree in Electrical and Electronics Engineering from SVS Group of Institutions — 2016 - 2020

LANGUAGES

• English - advanced

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