HIMANSHU GIRIPUNJE

DevOps Engineer

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📍 Pune, Maharashtra

CAREER SUMMARY

Having 1+ years of experience, Proficiency in DevOps, SDLC lifecycle. Implementing CI/CD pipeline for Automating Deployment. Deploy dynamically scalable application on AWS Cloud with low latency.

EXPERIENCE

Company :- Upfinit Software Development India Pvt. Ltd
Role   :- DevOps Engineer
Duration :- Oct 2021 to Present

WORK EXPERIENCE

DEVOPS

- Worked on Terraform and created **Microservices** architecture on AWS cloud.
- worked on automation tool **terraform** for creation of declarative infrastructure as code and managing public and private cloud as well as creating resources and running applications.
- Experience in fully-dynamic Environment Database monitoring, App Deployment on nonproduction environment, as well as worked on AWS deployment automation.
- Experience on handling application Availability like **Java**, Nodejs, Angular, J2EE, XML, and Web Services.
- Experience on Agile Development Methodology Scrum, Kanban.
- Collaborating with Dev&Ops teams to find Optimal Cloud solution.
- Implementation of **Autoscaling** with Load balancer, Target group , Launch Configuration, Autoscaling Group & Monitoring all resources and Services using CloudWatch.
- Define a scaling policy that triggers **autoscaling** based on CPU utilization or network traffic.
- Implement Horizontal Pod **Autoscaling** for a microservice in **EKS** based on resource utilization.
- Implementing CI pipeline -code pull from Git-repo, build from maven, then Artifact push to s3 Bucket.
- Implementing multi-staged **CI/CD** with tools.
- Taking backup of **Jenkins** Jobs with help of thin-backup plugin in a directory also able to recover it.
- Responsible for Continuous Integration (**CI**) and Continuous Delivery (**CD**) process.
- Configured email notification for success and failure in Jenkins.
- Automating the infrastructure build, version, deploy efficiently by **Terraform** tool.
- Storing Tf-state file in S3 automatically by implementing Terraform **Backend.**
- Implementing terraform modules **{S3, EC2, VPC, ELB}** provisioning multiple resources.
- Taking access of master node using endpoint, provide authentication to Kubernetes cluster through the AWS IAM authenticator for **Kubernetes**.
- Deploy application and updating versions using deployment strategy **(**Rolling-update**)**.
- Provision and configure a web server using **Ansible,**
- implementing registering vars, ignoring-errors, Gathering Facts, setup module, shell module.
- Define Ansible roles and playbooks to automate the deployment and configuration process.
- Having knowledge on containerization tool such as **Docker**, using docker creating the Dockerfile and build the docker images, run container, and using docker volume take the backup of container data.
- Push Build images to Docker ECR repository.
- Deploy pods, replica set, deployment managing pods high availability and fault tolerance using services like node port, cluster, load balancer, implementing **EKS** managed node group.
- Set up **Prometheus** on the Kubernetes cluster to scrape metrics from the API and its containers.
- Monitoring servers by CloudWatch for **logging**/metrics/tracing for high availability.
- Prometheus alert rules to notify the DevOps team of any issues with the API.
- Set up **Grafana** on the Kubernetes cluster to visualize the metrics collected by Prometheus.
- Implementing Cost control stratergy like Managing Data By S3 lifecycle.

AWS

- Responsible for Creating User, Group, Policy and Role in IAM Service, Versioning, Replication of Object and Serverless Hosting S3 service.
- Worked on Elastic load Balancer by making application highly available, scale automatically.
- Implementing NLB when performance is crucial for workload, To support more than one port on an EC2 instance while using container services.
- Hosting Frontend with S3 integrated with CloudFront, then ACM for SSL cert. then used Route53 for Domain Hosting.
- Worked on creating database over RDS, create Read Replicas in other region, multi-AZ deployment.
- Accessing data from one region to another region privately done by VPC peering.
- Configured **centralized log server** to keep the backup of log files at one place.
- I have also work in Implementation of VPC service for creation of VPC, subnet, route table, NAT, Internet gateway, end point.
- Implementing CloudFront For caching the Web content for solving latency issue, High Availability.
- Implementing SNS for Gather notification for any server facing any issue on daily basis.
- Solid understanding of network and security concepts
- Develop, maintain, and monitor databases using SQL, MySQL, or Postgre SQL.

SKILLS:

- **AWS services: IAM, S3, EC2, VPC, RDS, EKS, ECS, CloudWatch, Autoscaling, DynamoDB, CloudFront, Route53, EFS, SNS, SQS**
- **DevOps Tools: Terraform, SonarQube, Ansible, Maven, Jenkins, Docker, Kubernetes, Jira, Git, Miniqube, Kubeadm, GitHub, Gitlab, Ci/CD**
- **Application Frameworks: Node.JS, Angular, Nginx, Tomcat, Apache, Java**
- **OS: Ubuntu, RHEL, Linux, Windows, Centos,**
- **Network Services: Samba, FTP, HTTP, HTTPS, SSH, TCP, UDP, MariaDB, NFS**

EDUCATION

Bachelor's Degree in 2021
12th pass from HSC board in 2017
10th pass from SSC board in 2015

PERSONAL INFORMATION

Name :   **Himanshu G. Giripunje**
Father name :   Govind Giripunje
Date Of Birth : 11/05/2000
Gender :   Male
Marital Status : Single
Nationality :   Indian

DECLARATION

I here by declare that all information provided by me is true and authenticate the best of my knowledge

place: Pune
Date: **Himanshu Giripunje**