HARIKA RODDAM

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About Me

Working as **Software Engineer** with current experience of **2.5 years**. Actively working on DevOps technologies such as Git, Jenkins & Docker. Also having working experience on AWS infra and Linux/Windows environments.

Career

Currently working with HCL Technologies from **July2019**

Experience Summary

- Having 2.5 years of IT experience in DevOps engineering.
- Experience on Linux/Unix/Windows concepts.
- Experience on Git/GitHub Concepts.
- Experience on automation of infrastructure and deployment using Terraform.
- Good working experience on provisioning AWS/Openstack infrastructure.
- Good working experience on webservers such as Apache, Tomcat and Nginx.
- Good working experience on Load balancers such as Nginx.
- Working experience on writing terraform scripts in automating the infrastructure as a code.
- Basic working experience on CI/CD tool Jenkins.
- Good working experience on version controlling system Git, GitHub, Bitbucket.
- Good working experience on setting up the Maven projects.
- Working Experience on domain name system services (Internal DNS & External DNS).
- Good working Experience on Shell Scripting and PowerShell Scripting.
- Working Experience on containerization tool Docker and writing Docker images.
- Working Experience on AWS cloud services such as EC2, S3 buckets, EBS storage, Load Balancer and network services.
- Basic working knowledge on Kubernetes

Academic Qualification

Bachelor of Engineering (ECE/2015-2019) from Sreenivasa Institute of Technology And Management Studies, Andhra Pradesh.

Skillsets

- Operating Systems: Linux and Windows

- Version control tools: Git (GitHub and Bitbucket)

- Build tool: Maven

- Containerization tool: Docker

- CI/CD tool: Jenkins

- Container Orchestration Tools: Kubernetes

- Cloud Native: Amazon Web Services (AWS) and Openstack

- Web Servers: Nginx, Apache and Tomcat

- Load Balancers: Nginx

- Scripting: Shell Scripting

- Infrastructure provisioning: Terraform

Projects

Bluvalt Openstack (Feb 2021 - Till)

- Client: SHL
- Skills Required: DevOps
- Software Packages: Git, Bitbucket, Terraform, Docker, Openstack, Nginx, Haproxy, PowerShell scripting, Shell scripting, AWSCLI, Httpd, Tomcat

- Roles & Responsibilities:
    - Infrastructure Development using Terraform
    - Setting up Load Balancer using Nginx
    - Configuring the DNS Server names with windows & Linux applications as per requirements
    - Worked on docker image to launch the Internal load balancer Container based application like Nginx load balancer
    - Launched windows and Linux instances with all dependencies as per the client requirements
    - Created and maintained the Terraform scripts for deploying applications
    - Provisioned Openstack infrastructure using Bamboo scripts
    - Created different branching and merging strategies in Bitbucket

- Troubleshoot and resolve issues related to application deployment and operations
- Maintaining the Bluvalt S3 as a storage service for downloading all the application dependencies and stored backup files, infrastructure build files like statefiles

*Abstract***:** Involved in writing the Terraform scripts in provisioning the Openstack cloud components & worked on setting up the webservers using Apache. Involved in creating the DNS & Load balancing the webservers using Nginx, HaProxy. Worked on writing the docker images as per the requirements.

IOT - Internet of Things (Aug 2020 - Jan 2021)

- Client: Cisco
- Skills Required: DevOps
- Software Packages: Git, GitHub, Linux, Docker and Aws cloud
- Web Server: Nginx, Tomcat

- Roles & Responsibilities:

  - Infrastructure Development using Terraform for the AWS cloud environment
  - Setting up the cloud watch alarms for various services
  - Monitoring the IOT smart cities work behavior on daily basis
  - Acting on the alerts such as Disk space, CPU, Memory kind of alerts
  - Preparing daily monitoring reports of various IOT components
  - Configuring the DNS Server names with windows & Linux applications asper requirements
  - Worked on docker images for the various infra use cases
  - Launched windows and Linux instances with all dependencies as per the client requirements

Abstract: Was part of internal Operations team, where did Research & Development on DevOps tools such as Git, GitHub, Docker and Aws cloud

Shopping Cart (Jan 2020- July 2020)

- Client: Nokia
- Skills Required: HTML, CSS
- Software Packages: Visual Studio Code

- Roles & Responsibilities:
  - development of web pages

Abstract: I worked on UI responsive for Login page, Orders page, Browse Item page, Cart page, Operator Page.

Certifications

- AWS Certified solutions architect associate SAA-C02 from A Cloud Guru
- AWS Certified Cloud Practitioner 2020 from A Cloud Guru
- Terraform for AWS-Beginner to Expert 2020 (0.12) from Udemy
- HarshiCorp Certified: Terraform Associate prep course 2020 from Udemy

(**Roddam Harika**)