

INFANTA FERNANDO S

DevOps Engineer

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EXPERIENCE

DevOps Engineer

Glibware Soft Solutions-Project : welspun ltd

06/2022 - Till Present Chennai

- Deployed and scaled **microservices** in **AWS ECS** (Elastic Container Service) and **AWS EKS** (Elastic Kubernetes Service), enabling automated management of containers and seamless scaling based on demand.
- Utilized **AWS Lambda** for event-driven microservices, achieving reduced operational overhead and scaling based on specific triggers (e.g., S3 uploads, DynamoDB changes).
- Managed **IAM** users and groups, creating and assigning roles and policies to enforce least privilege access and secure cloud resources.
- Designed and implemented multiple Amazon **VPCs** for isolating and securing AWS resources, including public and private subnets, route tables, and network ACLs, ensuring a secure and scalable network architecture.
- Integrated **CloudWatch** with AWS services like Auto Scaling, ELB, and Lambda to enhance monitoring, automate scaling actions, and manage system health.
- Written **Terraform** code for building Cloud Infrastructure. Automated builds workflow using terraform. Knowledge on CloudFormation.
- Good Experience with Version Control System such as **Git**, Administrating source code management by **Github** repository.
- Experience on implementing CI/ CD pipeline using Jenkins and running jobs on slave machine using Master Slave Connection.
- Used Apache **Maven** Project management tool **POM** file to automate the build process in **Jenkins** to manage project libraries, compiling, preparing war file and deploying in Apache Tomcat.
- Written **Docker** File to build Docker Images to run them as Docker Containers. Built and deployed Docker containers for implementing micro services architecture from monolithic architecture.

Junior DevOps Engineer

Glibware Soft Solutions-Project: Healthmap solutions

04/2020 - 05/2022 Chennai

- Implemented security measures for **EC2** instances, including configuring security groups, network ACLs, and IAM roles to enforce access control and secure instance communication.
- Configured **S3** buckets for static website hosting, including setting up custom error pages, redirects, and integrating with CloudFront for global content delivery.
- Managed and rotated **IAM** access keys regularly, following best practices for key management and reducing the risk of compromised credentials.
- Deployed and managed Bastion Hosts within **VPCs** to securely administer instances in private subnets, limiting SSH access to trusted IP ranges.
- Enabled and configured monitoring and logging for **EKS** clusters using tools like **CloudWatch**, **Prometheus**, and **Grafana**, providing insights into cluster performance and health.
- Architect build scalable & Immutable Infrastructure on AWS Cloud infrastructure with automation and orchestration tools such as **Terraform** along with **Ansible** for Configuration Management.
- Installing and configuring **GIT, Jenkins, Deployment and automation**.
- Developed and maintained Jenkins pipelines to automate the build, test, and deployment processes for the Customer Management System.
- Implemented **Declarative Pipelines** using **Jenkins file**, leading to reduction in deployment time.
- Configured **Prometheus & Grafana** for server monitoring.
- Conducted **automated testing** and continuous monitoring, using tools such as **SonarQube** and **Prometheus**, to ensure high-quality releases with minimal downtime.

KEY ACHIEVEMENTS



Automated Infrastructure Provisioning:

Implementing Infrastructure as Code (IaC) using AWS CloudFormation or Terraform to automate provisioning and scaling of resources, ensuring quick recovery during downtime.

SUMMARY

As an AWS DevOps Engineer with over 5 years of extensive experience, I have honed my skills in building and maintaining CI/CD pipelines and cloud infrastructure solutions. My proficiency in AWS services, combined with my dedication to automation and efficient monitoring, positions me uniquely to enhance team collaborations and optimize deployment efficiency. I'm committed to problem-solving and continuous improvement in all my professional endeavors.

EDUCATION

B.Sc

Stella Maris College

06/2015 - 11/2018 Chennai

HSC

St. Antony's Girls Hr Sec School

06/2014 - 05/2015 Chennai

SSLC

St. Dominic's Anglo Indian Hr Sec School

06/2012 - 05/2013 Chennai

SKILLS

Ansible	ELB	API Gateway	AWS Lambda
AWS Services	Bash	CentOs	CI/CD
Cloud Infrastructure	CloudFormation		
CloudFront	Cloudwatch	Containers	
Continuous Delivery	devops	Docker	
dynamodb	EC2	Terraform	Git
Github	Grafana	IAM	Jenkins
Kubernetes	ASG	Linux.	Load balancer
MySQL	Prometheus	Python	RDS
redhat			

PERSONAL INFORMATION

Date of Birth	02.12.1997
Marital Status	Married
Husband Name	Denis I
Language	Tamil, English
Address	129, Gandhi Street, St. Thomas mount ,Ch-16.