

A I R W I N

DevOps Engineer

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SUMMARY

DevOps Engineer with 3+ years of experience facilitating agile application updates, building, scaling, and automating infrastructures. Leveraged expertise in Jenkins, Git, Docker having a foundation in fundamentals of cloud computing with hands-on experience in architecting/ automating and over large infrastructure. Proficient with Configuration Management tools, and in developing CI/ CD pipelines.

SKILLS

Automation Tools: Git, Docker, Kubernetes, Jenkins, Ansible, Terraform, Prometheus, Grafana Python, SonarQube and Alert Manager

AWS: EC2 (Security Groups, Load balancing, VPC, etc..), Autoscaling, ECS, Lambda, S3, RDS, IAM, MySQL, CloudWatch, CloudFormation, CloudFront, API Gateway, Code-Build, SNS, SQS, Load Balancer,EKS

EXPERIENCE



Role: DevOps Engineer
Project: Product (Health Care)

April 2023 - Present, Thiruvananthapuram, Kerala

- Experience in provisioning Cloud Infrastructure using **Amazon Web Services**.
- Created Three-tier architecture in AWS using services like **EC2, S3, EFS, IAM, Load Balancer, Auto Scaling, VPC, Route 53, CloudFront, CloudWatch, RDS**.
- Created S3 buckets and S3 **lifecycle management** for old data and logs. Secure secrets files inside the s3 bucket with better encryption
- Experience on **VPC peering & NAT Gateway** for application servers hosted on private subnets.
- Created messaging services for serverless applications using **AmazonEventBridge, Lambda & SNS**.
- Good Experience in Operating systems like Windows & **Linux (Ubuntu,CestOS,RedHat)** commands.
- Good Experience with Version Control System such as **Git**, Administrating source code management by **GitHub** and **GitLab** repository
- Experience managing **CI/CD** architecture implementation using **Jenkins**. Mostly use Declarative Pipeline for Backup,Git Fetch, Build, Deploy and CloudFront Invalidation with Notification. Configured **CRON** and **Periodic** jobs.
- Consulted with clients about **DevOps Culture** and best practices to reduce deployment time and increase productivity.Constant monitoring in snapshots and AMI for reduce the usage of it.
- Operating with developers to ensure that development, build, and release sequence as intended.Mostly do deployment in Alpha to Prod
- Responsible for handling performance issues of applications deployed in the **AWS** environment.
- Extensive Experience on **Ansible** playbooks commands. Created Ansible-Roles and used Ansible-Vault
- Written **Terraform** code for building Cloud Infrastructure. Automated builds workflow using terraform.Mostly used in VPC creation and Instance creation
- Worked in Vim, Nano and VS code editor to create and modify **YAML** scripts and **Python** Scripts
- Automatically triggered Jenkins build when changes are pushed to GIT using **Webhook** method.

- Responsible for handling performance issues of applications deployed in the AWS environment. Reduce Deployment time
- Debugged Build failures and worked with developers and QA team to resolve related issues.
- Knowledge on Application Monitoring Tools like **Prometheus, CloudWatch** on AWS
- Knowledge on Log Monitoring Tools like **Grafana, CloudTrail** on AWS
- Written DockerFile to build Docker Images to run them as **Docker** Containers. Built and deployed Docker containers for implementing micro services architecture from monolithic architecture. Worked on php and python APIs with nginx , gunicorn, uwsgi deployments
- Experience in **Kubernetes Cluster** Setup and deploying applications in Kubernetes cluster.
- Experience in deploying Kubernetes k8's Cluster and managing using **KubectI**
- Automated build jobs and deployment process with **Jenkins**.
- Hands-on knowledge on **SonarQube** for code quality check.**Trivy** for Docker images quality check.
- Good knowledge in **Managing overall Cloud Projects**.

EDUCATION

Bachelor of Engineering in Electronics & Communication

CSI Institute of technology • Thovalai, Kanyakumari • 2018

Higher Education (HSC)

Scott Christian Higher Secondary School • Nagercoil, Kanyakumari, Tamil Nadu • 2014

Secondary Education (SSLC)

Scott Christian Higher Secondary School • Nagercoil, Kanyakumari, Tamil Nadu • 2012

PERSONAL DETAILS

Name: A. Irwin

Marital Status: Single

Father Name: I.S. Azhagiri Arulanandam

Mother Name: S. Sumithra

Date of Birth: 04-11-1996

Nationality: Indian

Blood Group: O+

Gender: Male

Languages Known: English and Tamil

DECLARATION

I do hereby declare that the particulars of information and facts stated herein above are true, correct to the best of my knowledge and belief.