

Muneeswaran Duraipandi

Senior DevOps Engineer



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PROFESSIONAL SUMMARY

Skilled and experienced DevOps engineer with 7+ years of experience and Proficiency in a wide range of tools and technologies, including **AWS, Linux, Docker, Kubernetes, Jenkins, Ansible, CICD, and Terraform**. Skilled in refining development and operational tasks, ensuring higher system reliability, and enhancing performance. Strong problem-solving skills and a strategic mindset to drive efficiency and innovation within the organization. Looking to leverage my expertise to contribute to a dynamic team and drive business success.

SKILLS

- **Cloud service** : AWS, GCP, Azure, Digital Ocean, Linode, Hetzner, OVH .
- **O.S** : Linux, CentOS, Ubuntu, Debian, RHEL
- **Scripting** : BASH, Boto3, JSON, Python, Ansible
- **IAC** : Terraform, Terragrunt, CloudFormation.
- **Containerization** : Docker, Docker-compose, Kubernetes
- **Monitoring** : CloudWatch, New Relic, Nagios, Prometheus, Grafana, Netdata
- **Version Control** : Github, Bitbucket, Gitlab, AWS Code commit
- **Databases** : MYSQL, PostgreSQL, DocumentDB, MongoDB, DynamoDB
- **CICD Tools** : Github Actions, Jenkins, AWS CodePipeline, ArgoCD
- **Log Management** : Elastic/Open search, Loki, Splunk, Graylog
- **Other Tools** : Cloudflare, Tanium, CrowdStrike, Atlantis, Packer

EXPERIENCE SUMMARY

Company Name : **Devon Software Services Pvt Ltd (July 2023 - present)**
Project : **Elsevier**
Role : **Senior DevOps Engineer**

Roles & Responsibilities:

- Successfully migrated the Ping Directory from Bakery V1 to V2 by replacing Puppet with Ansible and upgrading the Terraform version.
- Implemented Github workflows on a scheduled basis for instance with missing crowdstrike agents, Bouncing servers in ASG, and Restoring objects from S3 glacier.
- Created Reusable Github actions for Docker container build, Slack notification, and manual automation.
- Continuous monitoring of servers with missing CrowdStrike, Tanium, and New Relic agents.
- Implemented Kyverno to enforce security policies and maintain compliance with the Kubernetes clusters, resulting in improved security posture and reduced risk.
- Collaborated with development teams to streamline resource management processes using K9s, resulting in improved operation efficiency and debugging deployment issues.
- Implemented and configured Nginx ingress controllers in Amazon EKS to enable external access to Kubernetes services, ensuring efficient routing and load balancing of incoming traffic.
- Assisted with replacing Twist lock container scanning with X-ray as part of GitHub Actions.
- Utilized New Relic alerts to proactively detect and notify stakeholders of any performance bottlenecks, errors, or anomalies within Kubernetes infrastructure.

Company Name : **OptiSol Business Solutions Pvt Ltd (Nov 2021- July 2023)**
Project : **Biologit**
Role : **DevOps Engineer**

Roles & Responsibilities:

- Successfully conducted DR implementation and testing application for Business continuity using Terraform.
- Implemented Security Best practices as per CFR-11, Annex EU11 from AWS Config and AWS Security Hub
- Implemented OpenSearch automated manual backup to S3 using lambda.
- Wrote Python scripts for automating day-to-day tasks like whitelisting developer IPs in prefix lists, Getting the status of nightly builds via GitHub actions, etc.
- Implemented CICD with the help of Codepipeline and Github Action with manual approvals.
- Utilized Trusted Advisor to identify cost-saving opportunities and recommendations for right-sizing RDS instances, EC2 instances, and OpenSearch Cluster thereby reducing 40% of operation cost.
- Leveraged AWS Cloudwatch to monitor and gain insights into various AWS services, including AWS Backup, EC2 metrics, Lambda errors, and API Gateway.

Company Name : **VVDN Technologies (Jan 2021- Nov 2021)**
Project : **Netgear**
Role : **DevOps Engineer**

Roles & Responsibilities:

- Managing the Canary Way deployment to prevent the risk of any Downtime or failure request.

- Working on the Athena queries to process the ALB and Cloudfront logs for debugging.
- Managed Infrastructure deployed in ECS with high availability.
- Working on SHAPIE protection and tools like rapid7, cloudstrike-falcon.
- Dreamfactory API deployments.
- Handled the Automated deployment via Jenkins jobs.
- Protecting the web application using AWS WAF with custom rules and whitelisting the specific APIs based on Customer IP whitelisting.

Company Name : **CatchPenguins Info Solutions (Aug 2017 - Dec 2020)**
 Project : **Whizlabs**
 Role : **AWS Solutions Architect**

Roles & Responsibilities:

- Setting up infra with Autoscaling, Load Balancer, NAT, and Aurora serverless.
- Backup Automation to S3 using Restic.
- Writing the custom JSON for restricting the user-level access in the AWS account
- Helped with minimizing the cost by EC2 reservation and savings plan.
- Implemented Cloudfront for improved performance and availability.

EDUCATION

- Year : 2012 - 2016
- Course : B.E in Electronics & Communication Engineering
- University : Government College of Technology, Coimbatore.