

MANIVASAGAN P

DEVOPS ENGINEER

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PROFESSIONAL SUMMARY

- DevOps/SRE Engineer with 4+ years of extensive experience in AWS, Kubernetes, and Infrastructure as Code (IaC), specializing in cloud-native architectures and scalable solutions.
- Proven expertise in implementing CI/CD pipelines, containerization, and comprehensive monitoring solutions to ensure high availability and reliability of enterprise systems
- Track record of successful cloud migrations and infrastructure automation, leveraging modern DevOps practices for scalable and resilient architectures

GLOBAL CERTIFICATIONS



AWS Certified Solutions Architect
-to verify



HashiCorp Certified: Terraform Associate
-to verify



Certified Kubernetes Administrator
- to verify

TECHNICAL SKILLS

- AWS Solutions Expertise
- Docker Implementation
- Continuous Integration with Jenkins
- Release Management
- Source and Version Control
- Linux Operating System
- Kubernetes Management
- Infrastructure Automation Terraform
- ArgoCD Continuous Delivery
- Containerization Technologies
- Micro services Architecture
- Monitoring and Logging

PROFESSIONAL EXPERIENCE

DevOps Engineer , Aseuro Technologies

07/2024 - Current

- Worked as a DevOps Engineer utilizing AWS services, Ansible, and Jenkins, with a focus on automation through Bash scripting. Proficient in provisioning and configuring servers using diverse technologies.
- Migrated an application from server-based infrastructure to Kubernetes using Amazon EKS, Helm, and ArgoCD for deployment automation.
- Implemented centralized logging with Fluent Bit, monitoring with Prometheus Operator, and back ups with Velero to ensure observability and data protection.

SysOps Engineer , OPT IT Technologies

03/2021 - 07/2024

- Worked as a DevOps and SRE Engineer across multiple clients, leveraging expertise in AWS, Terraform, and Kubernetes to design and implement robust and scalable infrastructures.
- Implemented containerization strategies using Docker and Kubernetes, improving resource utilization and management.
- Configured Nginx and S3 with CloudFront for efficient UI hosting. Set up ELK and Prometheus, Grafana, Alert manager, and exporters for comprehensive server monitoring and alerting.
- Deployed applications using AWS API Gateway and Lambda for scalable and serverless architecture and Implemented monitoring solutions resulting in 99.9% system uptime

PROJECTS

- DIKSHA: where I managed end-to-end DevOps activities, including hosting the application in Kubernetes, utilizing Kubernetes manifests, and implementing CI/CD pipelines with Jenkins. Ensured efficient backups with Velero, centralized logging with the ELK stack, and robust monitoring solutions.
- Zeta: Worked as a Site Reliability Engineer (SRE), ensuring high availability and stability of applications. Managed multiple production Kubernetes clusters, conducted updates using ArgoCD, and addressed Kubernetes alerts during deployments and troubleshooting.
- Samagara (One-Time Project): Implemented a Kubernetes cluster using kubeadm on DigitalOcean for hosting an e-learning application. Configured Prometheus Operator for cluster monitoring and deployed Velero with Minio for backup and disaster recovery. Deployed applications using AWS API Gateway and Lambda for scalable and serverless architecture.
- Capital Mind: Designed and managed AWS cloud infrastructure using Terraform, implementing RDS, EC2, ECS, and S3 with CloudFront, while automating server configurations through Ansible for streamlined deployments. Led monitoring and observability initiatives by implementing CloudWatch, Prometheus, Grafana, and AlertManager with custom exporters to ensure high availability and performance of financial services infrastructure

TOOLS AND TECHNOLOGIES

- AWS, Kubernetes and Docker
- Terraform, CloudFormation & Ansible
- Jenkins, ArgoCD & Helm
- GitHub & Bitbucket, CodeCommit
- Grafana, Prometheus, Node & Blackbox exporters, ELK, Datadog
- Prometheus operator and EFK stack
- RHCSA, RHCE & CCNA

EDUCATION

Bachelor of Computer Application

06/2020

E.G.S. Pillay Arts & Science College, Tamilnadu
GPA: 7.4

LANGUAGES

- Tamil
- English

PERSONAL DETAILS

- Date of Birth : 08/03/1999
- Nationality : Indian
- Marital Status : Single
- Gender : Male