KISHAN MISTRI

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https://github.com/KishanMistri · Portfolio

"Skilled DevOps & SRE Engineer with around 5 years of hands-on experience supporting, automating, monitoring and optimizing mission-critical deployments in AWS, leveraging IaC, CI/CD, configuration management and DevOps processes with business objectives in mind."

PROFESSIONAL EXPERIENCE

ZetApp (Previously Known as Onecode)   Bangalore, India
Senior DevOps Engineer   Jan, 2023 – Present

- Articulate, Built and Migrated infrastructure from Elastic Beanstalk to Kubernetes environment
- Designing Deployment Pipeline ensuring industry best practices with various tools
- Revamp and integrate new security services to ensure the compliance and monitoring of systems using tools like AWS WAF, Security Hub, SCP, role-driven least privilege access and miscellaneous services.
- Cost Optimization of infrastructure to continuously explore the ways to innovate using tools like AWS cost alarms, monitors, and kubecost for detailed workload utilisations.
- Continuously supported, improved and did explorations for various environments like dev, QA, pre-prod and production environments. Orchestrated and automated service deployments in Kubernetes with Helm, implementing CI/CD pipelines with Github Actions resulting in faster release cycles and improved scalability, contributing to an increase in application uptime.
- Provision and managed Kafka Clusters and Redis Clusters to improve performance and scale applications along with event-driven architecture for microservices.
- Built entire infra utilizing Infrastructure as Code (IaC) tools like Terraform and worked on Proof Of Concept on Disaster Recovery (DR) with different strategies to identify the suitable for the organization.
- Participate in various partner and third-party audits to improve upon security suggestions.
- Participated in on-call for DevOps and performed RCAs to mitigate the reoccurrence of issues.
- Accomplishments: **Awarded The Steller Award**
  - Reduced the cost of infrastructure by migrating services to EKS workload by up to 32%
  - Implemented security practices with cost in mind & and increased security scores from 52% to 87%.
  - Implemented GitOps via process and automation from ground zero.
  - Implemented a centralized helm template for service updates.

Tech-Stack: Java Springboot, NodeJs, Python3, AWS, Terraform, EKS, Docker, Helm, GitHub, Github Actions, Jenkins, Bash, MySQL, MongoDB, Security, Monitoring (NewRelic, OpenSearch, Prometheus, Grafana, Cloudwatch), PagerDuty Misc

Oracle India Pvt Ltd   Bangalore, India
 Senior Member of Technical Staff   October, 2021 – Jan, 2022
Team: Datasafe
- New Region Deployment for Data Safe service.
- Integrating Datasafe features in the Terraform codebase with support of existing ones.
- Creating and Update deployment pipelines based on requirements
- Optimizing metrics and dashboarding.
- Patching and maintaining configuration specification
- Infra Code Coverage & Documentation coverage for datasafe features

Tech-Stack: Java, Python3, Oracle, Terraform, OracleDB, TeamCity, Bash, Security, In-House Tools

Crest Data Systems   Ahmedabad, India
Senior Site Reliability Engineer   May, 2018 – October, 2021

Splunk - SRE & On-Demand Admin| May, 2018 - June, 2019
- Infrastructure creation (Terraform, Jenkins) and configuration management (Ansible, Puppet) Splunk Cloud Architecture stacks for the customers.
- To provide consultation to Splunk Cloud and On-Prem customers to troubleshoot their side of core deployment, dashboarding and application troubleshooting.
- Testing customer issues in isolated environments and providing resolutions with precision.
- Providing consultation on various components integration with Splunk.
- Maintain SLOs and support infrastructure requests.

Centrify - SRE + DevOps | July, 2021 – July, 2022
- Support Customer migrations to requested infra providers
- Improve monitoring of the environment to reflect the health of various components (Nagios, Kibana)
- Fill the process and automation gap to improve automated environment reliability.
- To ensure security by automating infrastructure and strengthening monitoring for monthly FedRamp activities.
- To automate deployment pipeline & and escalations for Production, Dev and QA environments.
- Investigate customer issues and provide RCA with Post-Incidents actions
- Accomplishments: **Awarded The CAP Award**
  - Exhibited POC for handling large amounts of logs that were a bottleneck for existing logging infra and improved it in a cost-effective way, which avail the latest logging data for the customer's issues troubleshooting to developers and CSM.

Netskope - DevOps | July. 2021 - Oct, 2021
- Automating deployment and upgrade of new stacks
- Support dedicated deployment

Tech-Stack: Splunk, Java, Python3, AWS, Azure, Terraform, EKS, Docker, Ansible, Puppet, GitHub, Jenkins, Bash, PostgreSQL, Security, Nagios, SaltStack, PagerDuty, Misc

SKILLS

- Cloud Provider: AWS (20+ Services)
- CI-CD: ArgoCD, GitHub Actions, Jenkins
- IaC: Terraform
- Database: MySQL, PostgreSQL, MongoDB
- Scripting: Python, Bash
- Monitoring: open telemetry, prom, Grafana, NewRelic, alert manager, Cloudwatch, ELK, Splunk

- Orchestrators: Kubernetes (EKS), SaltStack
- Docker
- Package Manager: Artifactory, Helm Charts
- Version Control: GitHub, BitBucket
- OS: Linux, Windows
- Process Standardization
- Misc (Analytics) - AutoML, Streamlit

EDUCATION

Post Graduate Diploma in Applied ML   2021 - 2022
The University of Hyderabad
- Class Achieved - Distinction

B. Tech in Information Technology   2014 - 2018
Nirma University
- Class Achieved - First (CGPA - 7.1)

CERTIFICATIONS

- AWS Certified - Solutions Architect - Associate
- Hashicorp Certified - Terraform Associate

- Splunk Certified - Splunk Enterprise Administrator
- Datacamp Certified - Data Scientist - Associate