Mohammed Nisham

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SKILLS

PROGRAMMING

Proficient:

Kubernetes • Helm • Argo CD • Kustomize • Terraform • JavaScript • Angular • React • Express • Mongo • Python • Java • Shell •

Familiar :

Android • SQL • Elasticsearch • PHP • LaTeX• C++ •

ACHIEVEMENTS

• Certified Kubernetes Administrator - LF-l6mags4tc3
• Completed Stanford university Machine Learning course from Coursera

EDUCATION

COLLEGE OF ENGG. TVM

B. Tech in Computer Science

July 2017 | Trivandrum

KENDRIYA VIDYALAYA

Grad. May 2011 | Kozhikode

EXPERIENCE

FREIHEIT.COM TECHNOLOGIES | Site Reliability Engineer

May 2022 - October 2022 | Hamburg, Germany

Kubernetes, ArgoCD, Github Actions, Golang, Helm, GCP, AKS, Terraform

- Created execution plan tool which identifies services to build, based on changed files and their dependency trees, and creates a plan to build them in order.
- Ported existing CI system from Jenkins to Github Actions using the new execution plan

DERSALVADOR | Devops Engineer

June 2020 - December 2021 | Remote

Kubernetes, Argo CD, Docker, Gitlab CI/CD, Helm, EKS, Prometheus, Grafana, Loki, Terraform

BROKERME:

- Development and DevOps work, A freelancer portal where registered users may apply for relevant job offers from participating agencies.
- App is composed of multiple microservices, deployed across two GCP clusters. Setup includes helm charts for different environments.
- Focus on test driven development, with complete unit and integration tests for each module wired into the CI/CD pipeline
- Setup self managed Argo CD server synced with git repository for application delivery.
- Deployment of microservices into multiple environments integrated into gitlab CI/CD
- Optimized gitlab pipeline to run microservice build and test stages in parallel
- Setup grafana with loki logs and prometheus metrics for observability of the product
- GCP cluster provisioning and updation via terraform for IaaC

COMMVAULT | Senior Engineer II

Jul 2017 - April 2022 | Bengaluru, India

Kubernetes, Angular, Java, Python, React

- Initial phase of containerizing existing services, setup kubernetes environment and deployed webserver microservice on it
- Setup ArgoCD environment for GitOps delivery of microservices, along with loki and prometheus for logging
- Setup Tekton pipelines for updating GitOps repositories based on webhook trigger
- Lead developer for global admin console, enabling users to aggregate and maintain data from multiple CommServers without switching overhead.
- Developed python scripts for automated sandbox creation and form building increasing throughput.
- Implemented auto tracking of work items via Trello API for easier overview.

PERSONAL PROJECTS

WATERMARK MICROSERVICES PROJECT   2020

Asynchronous event-driven cloud native app created to learn microservices and kubernetes, deployed on a kind cluster.