

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-I6mags4tc3
- 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

FREELANCE | Devops Engineer

June 2020 - Present (On and Off) | Remote

Kubernetes, Argo CD, Docker, Gitlab CI/CD, Helm, EKS

DERSALVADOR:

- Development and devops work, A freelancer portal where registered users may apply for relevant job offers from participating agencies deployed on GCP with GitOps setup via ArgoCD.
- Development of MERN application with microservice architecture, its associated helm charts, and terraform infrastructure code.
- Setup self managed Argo CD server, synced with git repository for maintaining a sub application.
- Creation of optimized gitlab CI/CD pipelines to run builds and unit tests, along with the migration of CD elements from gitlab CI into GitOps with ArgoCD.

EBMPAPST:

- Created scripts to setup an amazon EKS cluster from scratch with relevant RBAC to the cluster for required IAM entities.
- Provided Makefiles to Deploy docker containers to pods within the cluster in a user namespace via Helm charts, making repeated tasks easier.
- Setup Nginx Ingress for access to the deployed app
- Integrated deployment stage into existing gitlab CI/CD pipeline.

FREIHEIT.COM TECHNOLOGIES | Site Reliability Engineer

May 2022 - October 2022 | Hamburg, Germany

Kubernetes, ArgoCD, Kuberpult, Github actions, Golang, Helm, GCP

- 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 from Jenkins to Github Actions using the new execution plan

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 and Tekton pipelines with webhook triggers
- Lead developer for global admin console, enabling users to aggregate and maintain data from multiple CommServers without switching overhead.
- Automated install and update of commvault software on remote machine with python scripts decreasing turnaround time.
- Implemented auto tracking of work items via Trello API for easier overview.

PERSONAL PROJECTS

DIGITAL OCEAN VPN SETUP 2022

Setting up a vm on digital ocean via Terraform and running VPN setup code via Ansible on it to setup a personal short lived VPN at a moments notice.