

# 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

### FREIHEIT.COM TECHNOLOGIES | Site Reliability Engineer

May 2022 - Present | 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

### FREELANCE | Devops Engineer

June 2020 - December 2021 | Remote

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

- 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, each on a separate k8s pod. Setup includes helm chart for different environments. Deployed on two GCP clusters.
- Setup self managed Argo CD server, synced with git repository for maintaining a sub application.
- Deployment of microservices into multiple environments integrated into gitlab CI/CD
- Optimized gitlab pipeline to run microservice build and test stages in parallel

### 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.
- Automated install and update of commvault software on remote machine with python scripts decreasing turnaround time.
- 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.

### ONLINE EASTER EGG HUNT 2016

Designed and developed a game, inspired by the book Ready Player One. Spanning the internet, involving puzzles, rhymes and cryptography.