

## MANISH B

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To secure a position in a well-established organization which has a healthy environment that will lead to a lasting relationship and enable me to use my good communication and organizational skills, and the ability to work well with people to ensure unrestrained vertical growth.

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### Profile Summary

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Experienced IT professional with over 4 years in the industry, specializing in AWS cloud and Kubernetes. Proficient in AWS architecture with a focus on Kubernetes deployment and management in AWS EKS. Skilled in overseeing containerized applications within Kubernetes environments. Strong communicator with a knack for team management and a passion for staying updated on emerging technologies.

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### TECHNICAL SKILLS

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- Installation and configuration of Kubernetes cluster in AWS EKS.
- Creation of Kubernetes objects such as Pods, ReplicaSets, Namespaces, etc., on the worker nodes by writing YAML scripts.
- Writing YAML scripts for the deployment of storage, Persistent Volume (PV), Persistent Volume Claim (PVC), etc.
- HELM installation and deployment with Helm.
- Installation of Grafana and Prometheus with Helm for monitoring in Kubernetes.
- Implementation of rolling updates and rollbacks in deployment.
- Establishment of connectivity between Pods with Cluster-IP Service.
- Setup and management of Windows Server on Amazon (EC2, EBS, ELB, Auto Scaling, Security Groups, RDS, and IAM).
- Utilization of EC2 service to create Windows and Linux instances.
- Utilization of IAM to create GUI and CLI users.
- Setup and management of VPC, subnets; establishing connections between different zones; blocking suspicious IP/subnet via ACL.
- Configuration of VPC Peering in the same region and different regions.
- Implementation of NAT Gateway (to allow internet access to backend servers without assigning them public IP).
- Configuration of launch configuration and Auto Scaling group with load balancer using load balancer metric.
- Creation and management of AMI/Snapshots/Volumes, upgrading/downgrading AWS resources (CPU, Memory, EBS).
- Configuration of Site-to-Site VPN- AWS and Azure connectivity.

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### ORGANIZATIONAL EXPERIENCE

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#### Tata Consultancy Services (Feb 2022 – Present)

##### Kubernetes Administrator:

- Managed and troubleshooted Kubernetes cluster in different cloud platforms like AWS EKS and GKE.
- Deployed and configured new clusters for customer workloads, ensuring reliable and optimized Performance.
- Provided expert support in configuring advanced features such as ingress, node affinity, taint solutions, CNI plugins, namespace management, and RBAC to optimize cluster performance and security.
- Streamlined deployment processes using Helm charts, facilitating efficient management and version Control of Kubernetes applications Successfully handled the management of ConfigMaps and Secrets in the Deployment process, ensuring secure and efficient configuration management for applications.
- Maintained high availability of workloads deployed in the clusters, effectively managing and troubleshooting any potential issues.
- Managed and maintained 30+ clusters, ensuring the availability and optimal performance of various micro-applications deployed on Kubernetes.
- Implemented and monitored readiness and liveness probes for application health checks, proactively identifying and resolving potential issues to maintain high availability.
- Collaborated with development teams to define and implement best practices for application deployment, scaling, and performance optimization within the Kubernetes.
- Actively participated in capacity planning and scaling exercises, ensuring the infrastructure was equipped to handle increasing workloads and maintain optimal performance.

## **Mann And Hummel filter Pvt Ltd ( Nov 2018 – Nov 2019)**

### PROJECT TRAINEE:

- I was part of the MANN PUROLATOR UNITED STATES team, gaining experience with Amazon S3 (Simple Storage Service) and acquiring ample hands-on experience with AWS EKS.
- As part of a project, I accessed data such as step files, design parameters, and customer drawings for more than 200 filters from the Amazon S3 containers.
- Managed and troubleshooted Kubernetes cluster in AWS EKS.
- Worked on uploading the completed part design, assembly of the parts, and detailed drawing of the assembly to the Amazon S3 containers for further review by counterparts.
- The design primarily focused on oil filters, CAF filters, and air filters

## **High Tech Machines and Equipment (Jul 2017 – Nov 2018)**

### DESIGN ENGINEER:

- During my tenure I was working on 2D drafting of Hydraulic components, Hydraulic Press parts drawings and hydraulic circuit drawings.
- Managing Budgets and Generating reports in AWS Console.

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## **EDUCATION**

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BE (Automobile Engineering) from B. V. Bhoomaraddi College of Engineering and Tech, Hubli, Karnataka in 2017 with CGPA of 6.91

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## **Certifications**

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- AWS Solution Architect Associate 2021

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## **ACHIEVEMENTS**

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### APPLAUSE AWARD (July 2023)

Received an Applause Award for Professional approach towards work and being top contributor of resolving tickets.

### SPOT AWARD (June 2019)

Received a Spot Award for Customer Satisfaction, involving the design and modification of more than 200 filters, including subcomponents.