

# AJITHKUMAR S

## Fault Management Engineer - Cloud

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### PROFESSIONAL SUMMARY

Cloud Infra Engineer with over 3+ years of hands-on experience in operation services, implementing, and managing cloud infrastructures. Proficient in a wide range of technologies including Kubernetes, OpenShift, and VMware. Skilled in optimizing system performance, ensuring high availability, and streamlining processes to enhance operational efficiency.

Proven ability to act as a Single Point of Contact (SPOC) for cloud environments, providing technical support, troubleshooting, and collaborating with cross-functional teams to deliver solutions aligned with business objectives

Seeking a challenging role to leverage expertise in Kubernetes technologies and cloud infrastructure to contribute to a dynamic team.

Technologies: Kubernetes, Linux, RedHat OpenShift Container Platform, NFVI, VIO Cloud.

### EDUCATIONAL QUALIFICATION

- Bachelor of Engineering (2017-2021) in Mechanical Engineering with a CGPA of 75%.

### WORK EXPERIENCE

- Fault Management Engineer @Movate Technologies (May-2022 to Present)  
Project Name: TPG Telecom – Australia
- Fault management Engineer at Niscom Tele Infra - 3 Months (Feb 2022 to May 2022)

### ROLES AND RESPONSIBILITIES

- Served as the Single Point of Contact (SPOC) for the Lab, responsible for designing, deploying, and maintaining high-availability cloud infrastructure using Kubernetes, Cloud, and Linux.
- Managed and optimized day-to-day cloud operations and troubleshooting and resolving cloud infrastructure and application issues in real time.
- Manage user roles, quotas, projects and security groups, and the Identity service of the OpenStack Platform environment.
- Managed Kubernetes deployments with Helm, including rolling updates and configuring environment variables, secrets, and ConfigMaps.
- Implemented, configured, and optimized Kubernetes for scalable and reliable application orchestration.
- Provisioned and managed Kubernetes storage with Persistent Volumes and VolumeClaim policies.
- Deployed Metric Server in Kubernetes for resource monitoring and analysis.
- Implemented Kubernetes networking with NodePort, Services, and Ingress controllers, and enforced network policies.
- Administered RBAC policies, configured ClusterRoles, and managed RoleBindings to control access and enhance security within the cluster.

- Installation and configuration of servers using the Ansible automation tool.
- Monitored and maintained OpenShift clusters, ETCD database backups, Certificates renewals and LCM upgrades to ensure system stability.
- Providing 24/7 L2 support, performing fault and service restoration, root cause analysis, and incident management within SLA guidelines.
- Log, analyse, and rectify faults with impact assessments in ticketing systems, engaging in bridge calls during escalations.
- Coordinate with vendors for L3 support on critical issues, collecting and analyzing logs for detailed fault investigations.
- Develop and execute L2 health checks, technical processes, and scripts, supporting other domain teams and assisting with performance troubleshooting.
- Oversee backup policies, network performance monitoring, and baseline maintenance.
- Evaluate and implement software updates, test plans, and CR activities, contributing to network health and operational acceptance of new elements.
- Optimize alarm and threshold management and provide engineering recommendations based on operational insights.

## **KEY SKILLS**

- Kubernetes
- RedHat OpenShift Container Platform
- VIO Cloud
- Linux

## **CERTIFICATIONS**

- OpenStack and Network Functions Virtualization (TelcoCloud)
- Knowledge of Kubernetes in Network Functions Virtualization

## **PERSONAL SKILLS**

- Quick learner with a strong ability to grasp new concepts efficiently.
- Consistent performer with a focus on continuous improvement.
- Eager to explore new areas of learning and expand expertise.
- Adaptable and flexible in dynamic work environments.

## **PERSONAL DETAILS**

- Name : Ajithkumar S
- Date of Birth : 11/10/1999
- Gender : Male
- Marital Status : Unmarried
- Languages Known : English & Tamil

## **DECLARATION**

I hereby declare that all the information stated above is true to the best of my knowledge.