



Suhas Kalyanrao Patil

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Professional Summary

Result-oriented IT professional with over 7.4 years of diverse experience in AWS cloud technologies, Kubernetes, Azure DevOps, and Aurora PostgreSQL. Proven expertise in CI/CD pipeline implementation, infrastructure automation, system monitoring, and enterprise-level application support. Adept at working in agile environments, ensuring optimal performance, security, and scalability of applications and services. Additionally, I have expertise in the PLM Teamcenter tool at the admin level.

Technical Skills

Cloud Platforms: AWS, Azure

DevOps Tools: Azure DevOps, Jenkins

Containerization: Docker

Container Orchestration: Kubernetes, Docker Swarm

Version Control: Git, Github, Bitbucket

Package Management: Helm Chart

Infrastructure as Code: Terraform, AWS CDK

Build Tool: NPM, Maven

Monitoring Tools: CloudWatch, Grafana, Prometheus, CloudTrail, Alloy, Loki

Database: Aurora PostgreSQL, MySQL, Oracle

Scripting & Languages: Shell Scripting, Python (basic)

Other Tools: Splunk, ServiceNow, JIRA, Bitbucket, GIT, Remedy, Grafana Monitoring

Professional Experience

HCL Technologies – Pune, India

Senior Software Engineer - Infra Support (Client: DSM-Firmenich)

June 2022 – Present

- Implemented and managed AWS infrastructure to ensure high availability and scalability.
- Manage and upgrade Kubernetes (EKS) version.
- Managed AWS resources, including EC2 instances, S3 bucket, RDS, ECR, CloudWatch.
- Managed all maintenance, upgrades, instance type changes, and other activities for AWS RDS, while also conducting prompt monitoring of RDS.
- AWS Aurora PostgreSQL blue/green deployment.
- Manage Grafana, Alloy, Prometheus, Loki monitoring tools.
- Manage all Mendix application deployments, pods, and implement configuration changes through Kubernetes services.
- Manage and maintain Azure DevOps pipelines for automated builds, tests, and deployments.
- Manage and optimized CI/CD pipelines with Azure DevOps, significantly reducing release cycle times and enhancing overall development efficiency.

- Developed and maintained infrastructure as code (IaC) using Kubernetes for efficient provisioning.
- Good Hands-on experience Jenkins CI/CD Pipeline.
- Worked on GIT and GIT HUB, created branches, GitHub access management.
- Collaborated with development teams to optimize application performance in the cloud environment.
- Knowledge of managing services in Kubernetes.
- **Pods, Services, Deployments, and ReplicaSets:** Understanding how these fundamental building blocks work together to create and manage applications.
- Collaborated with the team to migrate critical workloads to AWS, configuring VPC components, EC2 instances, and leveraging kubernetes, Azure Devops, CDK for infrastructure as code (IaC).
- Created Validation Documents, Runbooks and Design Documents for Cloud Foundation, CI/CD pipeline enhancement, AWS Aurora PostgreSQK RDS upgrade, Kubernetes Upgrade.
- Implemented Mendix deployment in Azure DevOps to Dev/QA/Production environments.
- Persistent Volumes and Storage Classes: Understanding how to provision and manage persistent storage for stateful applications.
- Monitored deployment and build issues that may occur.
- Supported developers with their testing setup by providing DB backup also restore process.
- Monitored and maintained system health, ensuring proactive issue resolution.

Fujitsu Consulting India – Pune, India

Associate Application Development (Client: Nissan Motor Co. Ltd.)

Dec 2021 – May 2022

- Support and Maintenance of Docker infrastructure for different regions US, AUS, and Japan.
- Upgrade Docker Engine, UCP, DTR, kernel.
- Maintaining Docker Images and containers. Collaborated with development support teams to setup a continuous delivery environment with the use of Docker.
- Involved with the developers in troubleshooting and fixing day-to-day problems of the applications.
- Support for increasing RAM, CPU, Disk space for nodes.
- Responsible for providing an end-to-end solution for hosting the web application on AWS cloud with integration to S3 buckets.
- Worked on several Docker components like Docker Engine, Docker-Hub, Docker-Compose, Docker Registry and Docker Swarm.
- Active participant in software configuration and change management processes to improve build accuracy, time, version controlling, and migration of code onto different build environments.
- Worked with Docker for convenient environment setup for development and testing.
- Achieved Continuous Delivery in high scalable environment by Docker coupled with load balancing tool Nginx.

Konecranes & Demag – Pune, India

Consultant

Feb 2018 – Nov 2021

- Implemented CI/CD pipeline using Jenkins tools.
- Created GitHub projects for developers to store the code and managed user access.
- Managing stop/start application services as per requirement.
- Troubleshooting in delivery environment specially fixing issues, set up git branch strategy, managing access and security.
- Have set up Jenkins job for automated env validation and release mail notification.
- Created Jenkins declarative and scripted CI pipeline in Jenkins.
- Created CD pipeline in Jenkins to deploy alfresco web application.
- Proficiency in scripting languages like Python, Bash for automating tasks and creating custom tools.
- Working on Oracle Database, performing tasks such as database backups and executing basic queries as requested by users.
- Operations support includes Teamcenter support and issue resolutions.
- Application monitoring and maintenance of existing applications.
- Coordinating with application users and support teams for ticket resolution.

- SAP,Aton,Alfresco integration related issue.
- Created SQL queries for Aton PDM systems.
- Teamcenter monthly release activity.
- Alfresco monthly release activity.
- Teamcenter to SAP/Aton/Alfresco/Store data transfer issues resolution.
- Teamcenter license management.
- Custom functionality configuration with preferences.
- Data migration from legacy system(Aton) to Teamcenter.
- Teamcenter / Aton / Alfresco services stop and start.

Intelenet Global Services – Pune, India

Customer Service Executive (Vodafone Process)

Sep 2016 – June 2017

- Resolving customer issues related to generated monthly telephonic bills, ensuring prompt and efficient service in a call center environment.

Education

Exam	University/ Board	Name of Institute	Month-Year	%	
B.E	BAMU University	Nagnathappa Halge College of Engineering, Parli-Vaij.	Feb-2017	B.E.	68.33
				T.E.	63.53
				S.E.	61.06
Diploma (CSE)	MSBTE	Yashwanrao Chavan Institute of Polytechnic, Beed.	June-2013	68.26	
10 th	Maharashtra State Sec. & High. Sec. Education Bord	Yogeshwari Nutan Vidhyalay, Ambajogai.	May-2010	80.73	

Certifications

- AWS Certified Cloud Practitioner - Completed
- Microsoft Certified: Azure Administrator Associate

Interest

Reading, Travelling