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, Aurora PostgreSQL, Kubernetes and Azure DevOps. Proven expertise PostgreSql DBA on AWS Cloud also CI/CD pipeline implementation, system monitoring, and enterprise-level application support. Strong knowledge of installation, configuration, backup, replication, performance tuning, and monitoring. 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

Database: Aurora PostgreSQL, MySQL, Oracle

Containerization: Docker

Container Orchestration: Kubernetes, Docker Swarm

Version Control: Git, Github, Bitbucket

Infrastructure as Code: Terraform, AWS CDK

Build Tool: NPM, Maven

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

Package Management: Helm Chart

Scripting & Languages: Shell Scripting, Python (basic)

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

Professional Experience

HCL Technologies – Pune, India

Senior Software Engineer – PostgrSQL DBA and Infra Support (Client: DSM-Firmenich)
June 2022 – Present

- Manage and upgrade Kubernete (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.
- Configured and managed AWS RDS PostgreSql instances.
- Expertise in backup, restore, snapshots, and point-in-time recovery (PITR).
- Hands-on experience in DDL changes, performance insights, and query tuning.
- Implemented failover, replication (streaming/logical), vacuum, and maintenance tasks.
- Configured Cloud Watch monitoring, alarms, and parameter tuning.
- 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 Kubernete for efficient provisioning.
- Worked on GIT and GIT HUB, created branches, GitHub access management.

- Implemented and managed AWS infrastructure to ensure high availability and scalability.
- Collaborated with development teams to optimize application performance in the cloud environment.
- Knowledge of managing services in Kubernetes.
- Collaborated with the team to migrate critical workloads to AWS, configuring VPC components, EC2 instances, and leveraging kubernete, 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, Kubernete 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.
- Configured Cloud Watch monitoring, alarms, and parameter tuning.
- Monitor the DB alarm and take action as per required.
- Involved with the developers in troubleshooting and fixing day-to-day problems of the applications.
- Attend weekly status meetings and CAB meetings.
- Participate in P1 activity.
- As per requirement change instance types for DB.
- Execute backups, restores, and production changes.
- Responsible for providing an end-to-end solution for hosting the web application on AWS cloud with integration to S3 buckets.

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.
- Perform DDL deployments.
- Execute backups, restores, and production changes.
- Assist the application team with performance tuning.
- Attend weekly status meetings and CAB meetings.
- Develop automation scripts for database maintenance.Expertise in backup, restore, snapshots, and point-in-time recovery (PITR).
- Hands-on experience in DDL changes, performance insights, and query tuning.
- Implemented failover, replication (streaming/logical), vacuum, and maintenance tasks.
- Configured Cloud Watch monitoring, alarms, and parameter tuning.
- Created Jenkins declarative and scripted CI pipeline in Jenkins.
- Created CD pipeline in Jenkins to deploy alfresco web application.
- Working on Oracle Database, performing tasks such as database backups and executing basic queries as requested by users.
- Application monitoring and maintenance of existing applications.
- Coordinating with application users and support teams for ticket resolution.
- 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..
- Data migration from legacy system(Aton) to Teamcenter.
- Teamcenter / Aton / Alfresco services stop and start.

Intelnet 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

07/2013 – 02/2017: **BE (Computer Science and Engineering)**
Nagnathappa Halge College of Engineering, Parli-Vaij.
GPA: 68.33

06/2010 – 06/2013: **Diploma (Computer Technology)**
Yashwanrao Chavan Institute of Polytechnic, Beed.
GPA: 68.23

06/2009 – 05/2010: **10th**
Yogeshwari Nutan Vidhyalay, Ambajogai.
80.73%

Certifications

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

Interest

Reading, Travelling