Azhar Shaik

Site Reliability Engineer | DevOps Engineer

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☰ Professional Summary

- Skilled DevOps engineer with 2 years of experience on building, deploying, releasing, supporting, automating of code from one environment to another environment.

- Work experience as Site Reliability Engineer as Troubleshooting expert.

- Configuration of the CI/CD and deployment of applications on Kubernetes cluster using Docker, Spinnaker and Jenkins.

- Upgraded the production tools like Jenkins, SonarQube, Nexus repo and Nexus-IQ.

- Designed strategies for optimizing all aspects of the continuous integration, release, and deployment process.

- Managed deployment of micro-services using Kubernetes, Docker, and Helm charts to create and configure dev and production environments.

- Developed dev environment for the client which includes tools like Jenkins, Nexus-IQ, Nexus Repo and SonarQube and integrated them.

- Setup Prometheus for K8 operation and Grafana on all servers and hosts to setup alerts to monitor to reduce the downtime.

- Migrated Production tools from one AKS to another AKS using Blue-Green Strategy.

- Implemented Single Sign-On (SSO) in dev environment which includes tools like Jenkins, Nexus-IQ, Nexus Repo and SonarQube.

- Automated the process of making projects private and apply permission template based on project key in SonarQube.

- Created Jenkins slave Agents based on the requirements from project teams.

- Worked on stabilizing the Production tools.

- Expertise in trouble shooting the problems generated while building, deploying and in production support.

- Key strength is quickly grasping new concepts and technologies and adaptable to new environments

Technical Skills

Cloud	Azure
Version Control System	Git and Confluence
Source Code Management	git, bitbucket.
Build Tools	Maven, npm
Continuous Integration	Jenkins
Continuous Delivery	Spinnaker, Argo CD
Scripting	Python
Monitoring	Grafana, Prometheus
Database	PostgreSQL, MongoDB
Operating System	Windows, Linux (Ubuntu)
Code Review	SonarQube
Bug Tracking / Ticketing Tools	Jira, ServiceNow
DevOps	Kubernetes, Docker, Azure DevOps, Helm, Nexus IQ, Nexus Repo

Work Experience

Company1: Present
Wipro Limited
November 2020 – Present

Project 2: DevOps SRE

Role: Site Reliability Engineer

Environment: Azure DevOps, Bitbucket, Docker, Grafana, Helm, Jira, Jenkins, Kubernetes, Nexus IQ, Nexus Repo, Prometheus, Python, SonarQube, and Spinnaker.

Project Description: Being in a SRE -Site Reliability Engineer Team, we will troubleshoot the issues which are high priority and continuously make improvements to the production environments which adds value to the client.

Responsibilities:

- High availability and Standardization of SRE managed tools - Jenkins, Nexus-IQ, SonarQube, Nexus Repo and Spinnaker.
- Establish and maintain SRE Test environment to test changes to tools before release to production.
- Upgrade production tools like Jenkins, Nexus-IQ, SonarQube, Nexus Repo to their LTS versions.
- Migrate SRE managed tools to new AKS cluster using Blue-Green strategy.
- Implement SSO integration for SRE tools like Jenkins, Nexus IQ, SonarQube, and Nexus Repo.
- Provide new dev environment for developers for CI/CD process.
- CI pipeline creation using Jenkins, Nexus IQ, SonarQube and Nexus Repo and support for issues.
- CD pipeline creation using spinnaker and helm and solve deployment issues.
- Monitoring of SRE tools and setup Prometheus for AKS cluster.
- Giving access to developers in DevOps tools as an SRE admin.
- Major Troubleshooting issues with stipulated times.
- Create new Jenkins's agent based upon requirements.
- Implement new features in Jenkins depending upon the requirements from developers.

Project 1: Digital Rig

Role: DevOps Engineer

Environment: Bitbucket, Docker, Grafana, Jira, Jenkins, Kubernetes, Nexus IQ, PostgreSQL, Python, SonarQube

Project Description: Digital Rig enables enterprises to build a federated and composable DevOps platform using tools and capabilities already available. Frameworks of the Digital Rig cater to the entire DevOps engagement lifecycle by defining and managing DevSecOps as a code.

Responsibilities:

- To Write Jenkins files for microservices to build a docker image out of it which passes Aqua scan.
- Deploy microservices to a AKS cluster and integrated them using Jenkins and helm.
- Create connectors in Digital Rig application which connects to Jenkins and bitbucket, to create and configure a job in Jenkins and to create a repo, branches in bitbucket.
- Create collectors for Jenkins and SonarQube to collect data.
- Create and update Tables in PostgreSQL to store collected data.
- Manage dashboards in Grafana for the Jenkins and SonarQube for the data collected.

Educational Qualification

Sri Venkateshwara University
August 2016 - September 2020

- Bachelor of Technology - BTech, Computer Science and Engineering (cpga-8.05)

Sri Chaitanya College of Education
June 2014 - May 2016

- Intermediate, M.P.C (97.4%)

Certifications

Udemy:

- Azure DevOps Boards for Project Managers/Analyst/Developers
- Azure DevOps Crash Course - Build CI/CD release pipelines
- Docker for the Absolute Beginner - Hands On - DevOps
- Kubernetes for the Absolute Beginners - Hands-on
- Programming with Python: Hands-on Introduction for Beginners
- Practice Python with 100 Python Exercises

··· Declaration

I hereby declare that all the information contained in this resume is in accordance with facts or truths to my knowledge. I take full responsibility for the correctness of the said information.

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