Sai Krishna
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Career Objective:

- Overall 5+ years of experience as Azure Devops & Kubernetes Engineer, Continuous Integration and Deployment, Containerization, Configuration Management Tools & Software QA engineer.

Education Qualification:

- Bachelor of Degree in Computer Science
- Intermediate (MPC) from Bala Bhanu Junior College.
- SSC from Little Flower High School.

Professional Summary:

- Implement, maintain and improve continuous Integration and continuous delivery (CI/CD) environments using various DevOps tools like VSTS, JUnit, NuGet, and Maven, Node.js, Terraform, Snyk.io.
- Rich experience in application deployment through VSTS (CI/CD) as a DevOps Engineer.
- Experience in deploying applications on Kubernetes cluster
- Experience in creating ConfigMaps, Secrets, ReplicaSets.
- Used Azure Kubernetes Service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and Terraform .
- Managed host Kubernetes environment, making it quick and easy to deploy and manage containerized applications without container orchestration expertise.
- Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like Docker and Kubernetes. Built Docker containers using microservices project and deploy to Dev.
- Installed Docker Registry for local upload and download of Docker images and from Docker Hub and created Docker files to automate the process of capturing and using the images.
- Using Kubernetes, I have controlled and automated application deployments and updates and orchestrated deployment. Managed Docker containers with multiple name spaced versions.
- Created IAM roles for the Kubernetes cloud setup.
- Created metrics and monitoring reports using Prometheus and Grafana dashboard
- Experience in packaging applications like helm & Kustomize tools.
- Experience in Kubernetes deployment strategies like rolling-Update, recreate, canary deployments.
- Managed local deployments in Kubernetes creating local cluster and deploying application containers.
- Worked on Azure Container Service to deploy Kubernetes cluster in Docker Containers. Deployed Azure Kubernetes Service (AKS) in managing CI/CD for containerized applications to serverless Kubernetes.
- Planning & setup the Azure DevOps infrastructure for JavaScript projects.
- Working experience on Kubernetes & Docker environments.
- Experience in Kubernetes and Helm
- Experience in Set up & manage Kubernetes Infrastructure on cloud.
- Experience in OCIR & Deploying a JavaScript app's with oracle cloud container engine for k8's.
- Experience in deploy applications on Kubernetes cluster, configure auto scaling
- Experience in Monitor, debug & troubleshoot Kubernetes cluster & app running on these

- Secure Kubernetes cluster
- Experience in support multiple project DevOps Containerization process implementing CI/CD
- Experience in automating the process which reduces human effort and error for recurring activity
- Work closely with engineering team and support team to deploy apps on K8 cluster
- Contribute to improve the efficiency of the assignment by quality improvements & innovative suggestions
- Contribute in developing a knowledge base on collaboration with other team members
- Maintain customer loyalty through Integrity and accountability
- Created Kubernetes deployment, Stateful Set , Network policy etc.
- Created Kubernetes dashboard, Network policies.
- Good knowledge of Agile or Scrum methodologies
- Good knowledge of monitoring tools like Prometheus
- Experience in Cluster Upgrade Process- Worker Nodes
- Experience in troubleshooting nodes.
- Good knowledge of Kubernetes networking, security, monitoring, auto scaling, volumes, services, namespace, pods
- Hands on experience in setting up Kubernetes Clusters & deploying applications on Kubernetes
- Good knowledge of containerization platforms like Docker & Kubernetes.
- Utilized Kubernetes as a platform to provide a platform for automating deployments, scaling and operation of application containers across a cluster of hosts.
- Automated the Docker Images creation from Docker files and deployed the Docker containers in Kubernetes.
- Setup Continuous-Deployment pipelines that deploy React.js applications in Kubernetes cluster Dev Environment.
- Expertized in Web Applications and Mobile Applications Testing Domain.
- Extensively worked on E -Commerce and Real Estate Domain.
- Having working experience with Agile (Scrum) methodology.
- Experience in Kubernetes, Docker images, Docker Hub, Docker registries and Kubernetes.
- Hand on experience on Implementing a CI/CD pipeline using using Jenkins, Azuredevops.
- Hands on experience in Deployment and Code Configuration Tools like Github, SVN etc.
- Experience in integrating Unit Tests and code quality analysis tools like Junit.
- Should be responsible for the updating of configuration management tools, code.
- Good written and verbal communication skills.
- Well versed with the Incident management process.
- Experienced in training to the juniors
- Good Experience in GUI, Functional, Usability, Device mode and Browser Compatibility Testing's.
- Having Good knowledge on Manual Testing concepts and skills.
- Having Good Analytical skills to comprehend Business requirements and Prepare Build Verification Test (BVT) and Check lists accordingly.
- Good knowledge of test process, creation and understanding of testing artifact's like test plan, test case etc.
- Experience in Preparing Requirement Traceability Matrix (RTM) to ensure the test case coverage for all requirements.
- Familiarity with Software Development Life Cycle (SDLC), Agile & Software Testing life cycle (STLC).
- Good Experience in Prepare test cases using test case design techniques Equivalence partitioning, Boundary value Analysis.

- Good Experience in Preparation and execution of Test Cases.
- Good Experience in Bug tracking and reporting using Defect Management Tools (Bug Tracker and JIRA) till closure.
- Knowledge regarding Testing Terminologies, Verification, Validation, Levels of Testing and Testing Techniques.
- Ability to learn new Technologies and tools quickly.
- Experience with Web Application Automation using Nigtmare.js web browser automation framework
- Experience in Azuredevops, develop and manage CI/CD process for different types of applications.
- Experience in API testing tool Swagger.
- Unit, integration and functional tests implementation.
- Able to work successfully both individually and as a team member.
- Conducts in-sprint Test design, Test planning, Test automation development, and Test execution
- Provides constructive and professional feedback for continuous improvement
- Ability to handle multiple projects.
- Experience in setting up continuous integration and continuous deployment pipelines using azure pipelines.
- Almost 2 years running container engines and management systems: Docker, Kubernetes in Production (in Azure)
- Experience in deploying build artifacts in release pipelines.
- Experience in setting up CI/CD Vm's for running tasks.
- Administer tasks in JIRA and Azure boards such as creating users, groups and projects.
- Experience in Infrastructure as Code (IaC) tools.
- Good understanding of scrum methodology for software development life cycle.
- Created Ansible playbooks for installing Nginx web servers.
- Having good experience in SQL Database, Firebase, Azure monitoring, Log analytics & key vault.
- Experience in networking components like Vnet, Subnet, Security groups & DNS etc.
- Created Terraform modules to create resource groups in Azure and automated process of Creation of resources is Azure using Terraform.
- Knowledge on package manager helm.
- Experience with complete software design lifecycle including design, development, testing and implementation of moderate to advanced complex systems.
- Experienced with Docker container service, created Dockerized applications by creating Docker images from Dockerfile.
- Great team player and contributor with passion to excel and learn new technologies.
- I have hands-on experience maintaining bug tracking, code review, coverage analysis, agile tracking, and testing tools
- Environmental oversight and root cause analysis for stability and reliability issues and timely resolution or escalation

Ability to handle multiple projects.

Technical Skills:

Microsoft Azure	Web Apps, Azure SQL DB , Log Analytics, Service Principals, Azure service bus , AKS.
DevOps	VSTS(Azure devops), GIT, Junit, NuGet
Configuration management	Ansible
Operating Systems	Windows systems, Linux
Databases	Firebase, SQL Server
Programming Languages	Power shell scripting, JavaScript, JSON, YAML, HCL
CI/CD	Jenkins, Azure pipelines
SCM	Github
Automated Testing	Casper.js, Phantom.js, Nightmare.js
Virtualization software	Oracle Virtual Box, VM Ware workstation 12 Player
Containerization	Docker
IDE	Visual Studio
Project Life Cycle models	Agile, Scrum, and Waterfall
Project management and bug-tracking tools	Trello, Jira, Azure Boards, Asana
Instant Messaging System	Hipchat , Slack
Container Orchestration	Kubernetes
IAC Tools	Terraform
Application Package Manager Tools	Helm

Professional Experience:

Client: Xavica Software Solutions   **Jun 2017 – Till now**
Role: Azure DevOps Engineer

      Project Synopsis:

- **QWIPO is an Enterprise E-Commerce Application Which Includes Five Mobile Applications and Four Web Applications.**
- **Mobile Applications: Qwipo Customer, Qwipo Vendor, Qwipo Delivery Agent, Qwipo B2B, Qwipo Agent.**
- **Web Applications: Qwipo CRM, Qwipo Vendor, Qwipo Dealer, Qwipo Marketing.**

Responsibilities:

- Planning & setup the Azure DevOps infrastructure for new regions.
- Automated the service principal status update in SQL DB and also used key vault for SQL authentication.
- Worked on Azure Container Service to deploy Kubernetes cluster in Docker Containers.
- Deployed Azure Kubernetes Service (AKS) in managing CI/CD for containerized applications to serverless Kubernetes.
- Created Terraform modules to create resource groups in Azure and automated process of Creation of resources is Azure using Terraform.
- Setup Continuous-Deployment pipelines that deploy React.js applications in Kubernetes cluster Dev Environment.
- Experience in Kubernetes deployment strategies like rollingUpdate, recreate, canary deployments
- Installing and configuring SonarQube with Azure DevOps/TFS for code analysis.
- Deployed azure infrastructure deployments in the Cloud with Terraform and Azure Pipelines.
- Good knowledge of Agile or Scrum methodologies
- Good knowledge of monitoring tools like Prometheus
- Good knowledge of Kubernetes networking, security, monitoring, auto scaling, volumes, services, namespace, pods
- Hands on experience in setting up Kubernetes Clusters & deploying applications on Kubernetes
- Good knowledge of containerization platforms like Docker & Kubernetes
- Worked on Ansible deployments, written various Ansible playbooks with multiple roles, tasks, templates, service management, host variables, group variables etc..
- Worked on Snyk.io as build-time tool to find & fix known vulnerabilities in your dependencies good understanding on Kibana. Configured Snyk.io forwarder to send unnecessary log events.
- Setup the build as well as release pipeline for the new project application on boarding.
- Configure and maintain the private build as well as release agent pool.
- Deployment of the application on DEV, QA, PROD environment through one click.
- Involved in source control management with GIT and pushing the code through the GIT in to the VSTS.
- Experience in setting up continuous integration and continuous deployment pipelines using azure pipelines.
- Setup the release pipeline for SQL DB without passing admin credential of SQL server.
- Setup the build as well as release pipeline for Web Apps.
- Setup the service endpoint & service connection for the different Azure components.
- Troubleshooting the build and release agent in case of any issues.
- Integrating the Daimler GitHub to Azure DevOps and GitHub to Azure services.
- Monitoring each service deployment and validating the services across all environments.
- Scale up & scale down the build and release agents.

Client: i-wishlabs, USA   **Jan 2016– May 2017**
Role: Azure devops Builds & Release Manager

Project Synopsis:
- **TOT MASTER is and US based Application both web and mobile apps. Basically, it's a Platform to connect with Parents, After School Organization's and Organization Drivers at one Shot.**

Responsibilities:

- Planning & setup the Azure DevOps infrastructure for new regions.
- Undergone Training as per the requirement of the company basics.
- Setup the build as well as release pipeline for the new project application on boarding.
- Configure and maintain the private build as well as release agent pool.
- Create a custom Azure DevOps security group, define permissions for that group, add the user account to the group.
- Experience with complete software design lifecycle including design, development, testing and implementation of moderate to advanced complex systems

- Publish and download artifacts using azure pipelines.
- Setup backend jobs in virtual machines and monitor.
- Deployment of the application on DEV, QA, CANARY, PROD environment through one click.
- Involved in source control management with GIT and pushing the code through the GIT in to the VSTS.
- Managed and improved build systems for integrated test automation framework, providing support for continuous.
- Build nightly and milestone build across multiple streams of development and assisted developers with the timely resolution of any build failures.
- Setup the build as well as release pipeline for Web Apps.
- Setup the service endpoint & service connection for the different Azure components.
- Troubleshooting the build and release agent in case of any issues.
- Monitoring each service deployment and validating the services across all environments.
- Scale up & scale down the build and release agents.
- Provided proactive and reactive support and ensuring maximum availability and minimizing downtime and meet our service SLA's in incident, change and problem management using JIRA.

Client: Xavica Software Solutions   **Feb 2015 to Dec 2015**
Role: QA Automation engineer

Project Synopsis:

- **Prozyle is an online Web Application. Prozyle provides the customer to get the status of his property which is not available to see him every day. This is a system-based environment created to the customer to look at his registered properties with the subscribed package.**
- **This project contains three major roles Customer, Field Agent, Support Member.**

Responsibilities:

- Following Agile Scrum methodology.
- Leading a team of 7 members
- Understanding Requirements and functional Specifications of the application.
- Distributing the work for the other testers
- Developing Test Scenarios, Test cases & Test Data based on requirements.
- Interacting with Client on Weekly status calls.
- Involving in daily scrum meetings and giving the consolidated status for QA team
- Sending estimations for the individual modules and CR's.
- Doing build smoke test after every roll
- Execution of Test Cases at iteration level.
- Regression testing on each browser at iteration level.
- Coordinated test runs, distribution of tests among the QA team, and analyzing the outcomes for legitimate defects.
- Worked closely with developers, testers, project managers, business analyst and other stakeholder executing test iterations, tracking/reporting results, troubleshooting and coordinating defect resolution.
- Responsible for quality assurance testing from conception through release. Projects include web, mobile and custom applications.

- Performed manual and automation testing (functional, regression, UAT, smoke-testing) to verify Front-end and back-end changes, user workflows, database, API, security, performance, mobile device, and browsers.
- Logging and communicating bugs or enhancements in JIRA.
- Performed requirements and business process analysis.
- Designed and maintain manual test cases.
- Designed and developed automated test cases using Casper.js and Phantom.Js.
- Performed load testing using Jmeter.
- Designed and executed SQL queries for testing purpose.
- Reported and tracked software quality issues to the resolution.
- Worked collaboratively with a diverse team of developers, SQA engineers, business analysts and Project managers to improve overall product quality.

Personal Profile:

Name   :   Sai krishna
Father's Name: Seshagiri rao Bandreddi
Date of Birth   :   10th july 1990
Marital Status: Single