**V.V. NAGENDRA KALYAN**

**Email Id:** kalyannagendra197@gmail.com

**Mobile:** +91- **9154242134**

# Professional Summary:

* Having 4+ years of experience in IT Industry as a DevOps Engineer with skill in Continuous Integration & Deployment, Configuration Management, Automation, and Monitoring.
* Experience on managing and implementing CI/CD using Jenkins.
* Worked as DevOps Engineer for project teams that involved different development teams and multiple simultaneous software releases.
* Extensive hands on with Jenkins, for continuous integration and end-to-end automation tools for deploying.
* Have a good understanding of the various SDLC models especially agile using Scrum, Kanban.
* Performed end to end Administration with Atlassian Tools Jira, Confluence, Bitbucket, Bamboo
* Having Good Experience on Microsoft Azure and Microsoft Azure DevOps.
* Created resources in Azure such as Virtual Machines, Virtual machine scale sets, Database services, container services, container registries, Azure Kubernetes services.
* Having very good experience on Azure DevOps, Azure Boards, Azure Dashboards, Wiki, Azure Pipelines, Azure Artifacts, Test Plans.
* Having very good knowledge on creating Pull Requests, Repository Forking, Merging, Squashing, and Rebasing.
* Created workflow for the branches to maintain their branching strategies.
* Integrated with CI -CD to create the pipelines.
* Created jobs in Jenkins and created automatic builds using cron jobs and SCM Polling.
* Configured Master and Slave configuration and restricted jobs.
* Good knowledge on installing plugins and integrating with other tools.
* Good exposure on configuring LDAP, SMTP Mail Server for Notifications.
* Created projects and customized the projects.
* Knowledge on Azure Portal services like creating the management groups, Subscriptions, resource management groups, ARM Templates.
* Infrastructure as a code(Iaac) - AWS and Azure Infrastructure Provisioning, Maintenance and Enhancement using Terraform.
* Experience in building Amazon Virtual Private Cloud(VPC) resource such as subnets, network access control lists, and security groups.
* Good exposure on writing Terraform modules for services like S3, RDS, EC2, EKS, Lamdas’s
* In Azure Portal having good knowledge on spinning up Virtual Machines and installing various applications on the VMS.
* Worked on Azure boards like creating the work items, Sprints, boards.
* Created pipeline using YAML scripts in Azure pipeline.
* Good experience on container services like AKS, Docker.
* Good experience Azure DevOps for End-to-End Project handling from planning to Deployment.
* Worked on Azure Repos and imported repos from GitHub as well.
* Worked on pipeline builds using Azure pipelines and written YAML scripts for pipeline implementation.
* Worked on Azure artifactory to store artifacts.
* Having exposure on Python and Shell scripts for Automation.
* Good exposure on python modules like Paramiko, Schedule and OS modules.
* Experience on writing python script to automate Kubernetes deployments.

# Technical Skills:

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| **Specification** | **Tools Worked** |
| **Version Control System** | GIT, Bitbucket, Azure Repos, GITLAB |
| **Continuous Integration** | Jenkins |
| **Cloud** | Microsoft Azure, AWS |
| **Ticketing Tools** | Jira, Azure Boards |
| **Test Case Management Tools** | Azure Test Plans |
| **Artifacts** | Jfrog Artifactory, Azure Artifacts |
| **Container Services** | Docker, Kubernetes |
| **Database** | MySQL |
| **Infrastructure Tools** | Terraform |
| **Scripting language** | Shell, Python |

# Education:

* B. Tech (ECE) from Jawaharlal Nehru Technological University, Ananthapur passed in 2018.

# Working Experience:

* Worked as an Engineer in L&T Technology Services from March 2019 to July 2022.
* Worked as Software associate for TCS from May 2018 to Feb 2019.

# Projects Summary

**Project 1: Multiquant Canada**

* Role : DevOps Engineer
* Duration : March 2019 to July 2022

**Responsibilities**

* Implemented **Microsoft Azure** and **Microsoft** **Azure DevOps.**
* Experience in creating **Azure Boards, Azure Test Plans, Azure Repo’s, Azure Pipelines, Azure Artifacts.**
* Created Resources in Azure like **Virtual Machines, Virtual machine scale sets, Database services, container services, container registries, Azure Kubernetes services.**
* Used Azure Boards for Sprints and Project tracking Purposes and Working with Work Items
* Created Pipelines in Azure Pipelines and written the YAML files to create the pipelines.
* Created Environments on Virtual machines and Kubernetes.
* Created Deployment groups and, release pipelines for deployment.
* Worked on **Azure repos and imported repos from the GitHub and bitbucket.**
* Having experience in **pull requests, Forking, and merging concepts**
* Worked on **Azure artifacts to get the feed connected to download our artifacts and dependency packages** and also to **store our Artifacts.**
* **Worked on Dockerfile to build Docker images for multiple services.**
* Created Virtual machines and Virtual machine scale sets and the Kubernetes nodes.
* Worked on Kubernetes clusters, master, and nodes.
* Created Terraform modules to manage configuration, applications, resources and automated installation process for App server and Azure resources.
* **Worked on Container registries and Containers instances.**
* Created **Python script** for scaling pods and tracking logs for all containers automatically for Kubernetes.

**Project 2: SVB**

* Role : DevOps Engineer
* Duration : May-2018 to Feb-2019

**Responsibilities**

* Developing Docker images to support Development and Testing Teams and their pipelines.
* Responsible for the raising and managing of all Environments related Risks/Issues.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Experience in build management and continuous integration tools. (Jenkins)
* Administered version control system that included branching and merging.
* Automated build and Deployment process to different environments using DevOps tools like Jenkins and Ansible.
* Setting up Ansible Environment on different environments, written Ansible Playbooks, and utilized community playbooks as well.
* Responsible for creating Ansible playbooks and automated manual installation processes using Ansible.
* Installing, configuring, and administering Jenkins CI tool on Linux machines.
* Having knowledge on master and slave configurations and agents and its configuration.
* Having good understanding on pipeline builds and creating the Jira issues for the pull requests.
* Responsible for design and maintenance of the GIT Repositories
* Responsible for build and maintain the artifacts using maven build tool.
* Maintained the MAVEN POM.xml scripts for builds.
* Automated the build and deployments through Jenkins & Bamboo.
* Developed Shell Scripts and python script for automation of existing manual process like Environment Health Check, build and deployments etc..
* Good experience on troubleshooting the issues.

**Thanks,**

**V.V. Nagendra Kalyan**