



# Aravind Manthana

AZURE DEVOPS EXPERT

## Profile

Experienced IT professional with 6 years of extensive experience, specializing in technologies including Azure DevOps & Cloud, Kubernetes, OpenShift, Docker, Helm, Argo CD, Terraform, Python, Monitoring, etc. Seeking a full-time role in a dynamic environment where I can further develop my skills and contribute to the efficient advancement of the company.

## Employment History

### Senior DevOps Engineer, ZF Technology Centre India, Hyderabad

NOVEMBER 2021 — PRESENT

#### Project: Temp-AI (Python)

- Implemented end-to-end Azure DevOps CI/CD pipelines to build and deploy our application as per the requirement.
- Created custom Dockerfile's to build and deploy our applications code into Kubernetes/OpenShift.
- Created Helm charts from scratch as per the requirements.
- Implemented GitOps for Kubernetes workloads using ArgoCD.
- Implemented consolidated containers in project which are used to setup both development environment (devcontainers) and CI/CD pipeline runtime (build container).
- Deployed applications like Flask, Fast API, and Angular in Kubernetes/OpenShift using DevOps CI/CD pipelines and Helm Charts.
- Setup MkDocs website for project documentation in Kubernetes/OpenShift.
- Integrated Azure Key Vault to OpenShift using Secret Store CSI Driver to manage and auto rotate the secrets.
- Setup static code analysis using tools like SonarQube, Pylint, mypy and unit testing tools like pytest in CI pipeline and also publish test results and code coverage results.
- Created cronjobs in OpenShift which frequently backup Postgresql data.
- Set up container-based Jobs in CI/CD pipelines.
- Implemented caching mechanism in pipeline in order to reduce the Pipeline build time.
- Implemented Azure Templates concept in pipelines wherever required.
- Experience in creating Azure agents as containers in OpenShift.
- Migrated several pipelines from GitLab and Jenkins to Azure DevOps.
- Created python scripts using Azure DevOps REST API for automations such as Creating/updating the work items, git repositories and DevOps pipelines run details.
- Implemented automation's using Bash and Python scripts wherever possible.
- Setup Devcontainer for development environment in VS Code.

## Details

Hyderabad, India

+91 8897372096

[manthana.arvi@gmail.com](mailto:manthana.arvi@gmail.com)

## Skills

- Azure DevOps
- Azure Cloud
- YAML CI/CD pipelines
- Docker
- Kubernetes/OpenShift
- Helm Charts
- ArgoCD
- GitLab
- Jenkins
- Python
- Shell Scripting
- SonarQube
- Terraform
- Ansible
- Prometheus
- Grafana
- Loki
- Open Telemetry Collector
- Azure DevOps API
- Git
- JFrog
- SQL
- Agile/Scrum/Boards
- SAFe model
- Quay/ACR
- Azure Networking

- Set up VMSS agent pools to increase scalability and to run parallel pipeline jobs.
- Setup branching strategy and parameterized the pipelines to work with multiple environments based on the branch it is getting triggered.
- Fetch service probe metrics using BlackBox exporter.
- Created Grafana Dashboards and implemented alert mechanism via Teams channel.
- Experienced working in Agile fashion using Scrum framework.
- During start of every sprint, join planning meetings, discuss requirements with the product owner, draft the PBI's, prioritize them, estimate and commit in the sprint.
- Migrated couple of pipelines from Jenkins into Azure DevOps.
- Experience working in Hybrid cloud model.

#### Project: Platform for ZF

- Experience in working as Platform Engineer, design and implement organization's applications and services.
- Created Terraform modules for Infrastructure provisioning.
- Created custom VM images using Packer.
- Created Ansible roles to automate tools installation.
- Implemented monitoring Infrastructure such as Prometheus, Loki, Open Telemetry Collector, and Grafana using Helm charts and ArgoCD.

### DevOps Engineer, Infosys Limited, Hyderabad

JULY 2018 — OCTOBER 2021

#### Project: Kraft Foods (Azure DevOps & Hadoop Admin)

- Creating Azure CICD pipelines using Azure YAML scripts.
- Deploy code in multiple environments using branching strategy.
- Closely monitor and validate deployments and work with developers in case of code failures.
- Creating automations using Bash and Python.
- Maintaining Cloudera clusters and its services such as Hive, Impala, Pyspark2, Hue, Hdfs and oozie etc.
- Setting up platform automations using Bash and python such as monitoring HDFS usage, service status alert mails in case of failures, capturing user metrics and identifying stale Hadoop Jobs.
- Creating Kerberos keytab and setting up passwordless ssh setup.
- Troubleshooting Spark , Hive and Impala.
- Creating and scheduling cronjobs in Linux for Platform automations.

#### Achievements & Awards

Certified AZ-400 Microsoft Azure DevOps Expert.

Certified AZ-204 Microsoft Azure Developer Associate.

Certified AZ-900 Microsoft Azure Fundamentals.

### Languages

English

Telugu

Hindi

Received Excellence award for Q1 of 2022 within 6 months of joining in ZF.

Rated outstanding during my tenure at Infosys.

Received Insta Award at Infosys for being consistent performer.

## Education

### **B.Tech, EEE, Sri Vasavi Engineering College, Andhra Pradesh**

JUNE 2014 — APRIL 2018

Graduated in First Class with Distinction (78.3%)

### **Class XII, M.P.C, Vikas Junior College, Andhra Pradesh**

JUNE 2012 — APRIL 2014

Passed with 96.3%

### **Class X, M MPL High School , Andhra Pradesh**

JUNE 2011 — APRIL 2012

Passed with 8.8 CGPA