

Bengaluru, India  
[linkedin.com/in/avvari-kiran-mahesh-430866175](https://www.linkedin.com/in/avvari-kiran-mahesh-430866175)  
[kiranmaheshavvari2001@gmail.com](mailto:kiranmaheshavvari2001@gmail.com)  
+91 6303281475

# Kiran Mahesh Avvari



DEVOPS ENGINEER

## PROFESSIONAL SUMMARY

Experienced DevOps engineer adept at optimizing systems and enabling rapid feature deployment along with cloud infra and architecture planning in Azure. Passionate about AI and committed to continuous learning. A proactive problem solver with a love for adventure, both in technology and the world beyond.

## EDUCATION

BTech, Metallurgical and Materials Engineering, National Institute of Technology Nagpur (VNIT), Year: 2018–2022, CGPA: 8.62

## AWARDS & CERTIFICATIONS

### AWS Certified: Solution Architect Associate

Endorsement for skills in Amazon web services (AWS) which includes cloud architecture, cloud data, cloud infrastructure.

### Microsoft Certified: Azure Administrator Associate

Endorsement for skills regarding azure administration including architecture, networking, creation and management of resources in azure.

### Microsoft Certified: Fabric Analytics Engineer Associate

Endorsement for skills regarding Microsoft Fabric including RBAC, Deployment pipelines, security, different components in fabric such as synapse, data factory etc.

### Microsoft Certified: DevOps Engineer Expert

Endorsement for skills regarding DevOps, Platform Engineering, CICD, Infrastructure as a code, Azure DevOps, GIT, Powershell, Linux skills

Fractal internally certified SQL developer professional, spark developer associate, Gen AI certified DevOps Engineer.

## COURSEWORK

CI-CD & Automation



Cloud Computing



Scripting and IAC



Database Management System



## INTERESTS

traveling · sports ·  
Reading · self-  
improvement

## SKILLS

- **Scripting Languages:** Python, Bash, SQL, Shell, Spark
- **Cloud Services:** Microsoft Azure, Amazon Web Services (AWS)
- **DevOps tools:** Docker, Azure DevOps, Git, CI-CD, Microsoft Fabric
- **Soft Skills:** Team player, Bias for action, Deliver results
- **Others:** Power BI, ARM, Incremental Release, Databricks, Sonar, Linting, Formatting, Unit testing

## WORK EXPERIENCE

SEP 2022 - PRESENT

### DevOps Engineer – Fractal Analytics, Bengaluru

#### Building Infrastructure as code (IAC) using ARM templates

- Achieved an 80% speedup in creating and establishing infrastructure in Azure and made the deployment using CI-CD to have a version history of the resources and applied the incremental mode of deployment to azure to have better adoptability.
- Initiated, designed, implemented, and led the optimization project from conception to execution, ensuring alignment with organizational goals and delivering tangible results.
- Leveraged ARM marketplace to publish the templates created, Templates includes private networks, access policies, architecture of resources, also supporting the conditional deployments as we leveraged the use of CI-CD improving the efficiency and adoptability more.

#### Automatic Migration of Databricks and Data factory to higher environments using Asset Bundles

- Designed and automated the deployment pipelines to migrate the azure data bricks and data factory resources from development environments to higher environments like QA, UAT and production with secure way by adding approvers, conditional policies using git branches.
- Implemented the auto generation of access token for data bricks using federation identity from git to azure which acts as a layer of security to avoid the data breach and avoids the expiration usually we get from service principal method of authentication. This has solved the issues of unauthorized deployments by 60%.
- Orchestrated the selective resource deployment of data factory from development to production environments. This will save the time of manual deletion of unused resources in production workspace and reduces the manual intervention every time we made an update as the whole deployment is automated.

#### Implementing code quality checks (Federated DevOps Techniques) as a gateway for build deployments

- Designed, implemented, and led the successful launch of federated DevOps where all the DevOps related codes will reside in central location with 100% parameterized and projects pipelines will be remotely linked to central repo to use these templates and pass the parameters related to this specific project.
- Implemented the code quality checks such as SonarQube/Sonar cloud, linting, formatting, Unit testing in the build pipeline so that if any of these above quality gates fails due to code issues, the build be terminated and waits for the resolution of those issues. This has improved the quality of deployment by 80% ensuring very few issues in production as compared to without these checks.

#### Terraform Modules for Azure infrastructure

- Designed and implemented Terraform modules in federated Devops central repo where each and every azure resource can be generated using Terraform IAC pipelines with parameters.

MAY 2021 - JUL 2021

### Data Engineering Intern, Tare Zameen Foundation, Delhi

- Spearheaded the Distribution list of several institutes using Web scrapping tools like **beautiful soup**, **selenium** to extract a large set of databased from different web portals (around 10000+ objects) and analyzed their activity in donations and social responsibility events. Prepared a dashboard to explain the same by creating several KPIs to help the end user in detail.

**All projects are launched successfully without any issue in production. These projects unblocked major launches and improved Customer Satisfaction.**