

# RAM RANGISETTY

<https://tinyurl.com/425ddutf> | 551-344-8890 | [ram.rangisetty@icloud.com](mailto:ram.rangisetty@icloud.com)

## Skills

- Python | Terraform | Ansible | JavaScript | Shell Scripting | YAML | Azure DevOps | Kafka | Airflow | MongoDB | PostgreSQL | ARM Templates | Kubernetes | Docker | OpenShift | Git
- Azure | Cloud Computing | CI/CD | Scrum Mastery | AKS | Azure Blob Storage | Azure Service Bus | Azure Key Vault | Azure ALA | ETL Architecture | Variant Management | OOP | DevOps Practices | Scaled Agile Framework
- Microservices | Distributed Systems | Backend Development | Data Engineering | ML Model Training and Deployment | Automated Driving Systems

## Experience

### Cloud Architect

#### Biophore LLC

Jersey City, NJ, USA 10/2024 - Current

- Develop scalable and secure **Azure-based architectures** tailored for pharmaceutical **data processing, analytics**, and **compliance** with industry regulations such as **HIPAA** and **GDPR**.
- Build and manage **CI/CD pipelines** using **Azure DevOps**, ensuring efficient deployment of applications while adhering to quality and compliance standards.
- Utilize Azure services like **Blob Storage**, **CosmosDB**, and **Data Factory** for efficient data storage, transformation, and analysis to support research and operational needs.
- Implement Infrastructure as Code using **Terraform** and **ARM templates**, and orchestrate microservices and containerized applications with **Kubernetes**, **Docker**, and **AKS**.

### Lead Software Engineer

#### Bosch

09/2023 - 01/2025

- Led the design and implementation of cloud-native architectures for a ground truth solution in the **ADAS domain**, leveraging **Azure services** such as **AKS**, **Blob Storage**, **Service Bus**, **Key Vault**, and **ALA**, supporting the training of ML models for autonomous driving.
- Designed and developed scalable ETL pipelines and APIs to process and manage large volumes of sensor data, ensuring high availability and efficient data transformations using **Python**, **Kafka**, **MongoDB**, and other Azure technologies.
- Directed end-to-end development of core features, including requirements analysis, cross-team collaboration, implementation, testing, and deployment, with a focus on variant management for handling multiple functionality types seamlessly.
- Enhanced platform observability by integrating advanced telemetry solutions, implementing **Grafana dashboards**, and configuring alerts to monitor system performance and proactively address issues.
- Built and maintained **CI/CD pipelines** using **Azure DevOps**, conducted comprehensive code reviews, and implemented rigorous testing strategies including unit, integration, and performance tests to ensure software quality and reliability.

### Senior Software Engineer

#### Customer Analytics

04/2022 - 08/2023

- Designed and implemented scalable data pipelines to process and analyze large volumes of customer data using **Azure Data Factory**, **Azure SQL**, and **Python**, delivering actionable insights for business growth.
- Developed and optimized **ETL workflows** and **data integration solutions** to streamline the ingestion of customer data from diverse sources into centralized data lakes.
- Led the development of **data visualization dashboards** using **Power BI**, providing stakeholders with real-time insights into customer behavior and trends.

### Senior Cloud Engineer

#### Claybots

08/2019 - 03/2022

- Spearheaded the management of multi-container applications using **Azure Kubernetes Service (AKS)** and **Docker**, ensuring high availability and scalability of critical systems.
- Automated infrastructure provisioning and configuration using **Terraform**, enabling rapid deployment and reducing setup times for production environments.
- Built and maintained **CI/CD pipelines** in **Azure DevOps**, integrating automated testing and deployment processes to enhance application reliability and delivery speed.

### Associate Consultant

#### Apps Associates

08/2017 - 07/2019

- Collaborated with cross-functional teams to implement cloud solutions and DevOps practices, gaining proficiency in **Azure Portal**, **ARM templates**, and **CI/CD tools**.
- Supported the migration of on-premises applications to the cloud, optimizing resources and ensuring seamless transition to **Azure environments**.
- Gained expertise in entry-level **DevOps practices**, including code deployment, environment setup, and troubleshooting cloud-based systems.

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## Education

Bachelor of Technology

Jawaharlal Nehru Technological University,  
Hyderabad

India 08/2013 - 05/2017

- Major in Computer Science and Engineering

## Projects

- **Ground Truth Labeling Solution for ADAS:** Designed and deployed a cloud-based solution on **Azure** to generate training data for autonomous driving ML models, incorporating **AKS**, **Blob Storage**, and **Kafka** for high scalability and performance (2024).
- **Variant Management ETL Framework:** Developed an end-to-end ETL pipeline in the ADAS domain to manage multiple functionality variants using **Python**, **Azure DevOps**, and **MongoDB**, optimizing data flow and transformation processes (2024).
- **Customer Insights Platform:** Developed a cloud-native analytics platform using **Azure Data Factory**, **Cosmos DB**, and **Power BI** to process and visualize customer behavior data, enabling actionable insights for business growth (2022).
- **Multi-Container Deployment Automation:** Automated the deployment of multi-container applications using **Terraform** and **Azure Kubernetes Service (AKS)**, improving deployment efficiency and reducing downtime for mission-critical systems (2021).
- **Cloud Migration Framework:** Led the migration of on-premises applications to the Azure cloud by implementing **Infrastructure as Code (IaC)** with **ARM templates**, ensuring seamless transition and optimized resource utilization (2019).

## Mentorship

- **Cloud Engineering Mentor:** Guided aspiring cloud engineers on **Azure technologies**, **Terraform**, and **DevOps practices**, providing career advice and technical insights through structured mentorship programs (2023–Present).
- **Scrum and Agile Coaching:** Mentored teams on **SAFe Agile methodologies**, helping them adopt agile best practices to enhance collaboration and delivery efficiency (2024).

## Others

- **Certifications:**
  - **SAFe 6.0** Scrum Master Certification
  - Microsoft Azure Solutions Architect Expert (**AZ-305**)
  - Microsoft Azure DevOps Engineer Expert (**AZ-400**)
  - Microsoft Azure Administrator Associate (**AZ-104**)
  - Microsoft Azure Developer Associate (**AZ-204**)
  - Microsoft Azure Fundamentals (**AZ-900**)
  - Microsoft Azure Data Fundamentals (**DP-900**)
  - Microsoft Azure AI Fundamentals (**AI-900**)
- **Recognition:** Received accolades for designing scalable ETL frameworks and cloud-based solutions that enhanced operational efficiency in the ADAS domain.
- **Professional Achievements:**
  - Successfully conducted cross-functional knowledge-sharing sessions on Azure services and CI/CD practices.
  - Spearheaded the adoption of advanced telemetry for real-time monitoring and analytics in enterprise systems.