



SADHVIK CHIRUNOMULA

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Professional Summary

Dynamic Lead Product Engineer at Modak Analytics with expertise in cloud-native solutions and CI/CD automation. Proven track record in architecting scalable data platforms and driving cross-functional collaboration. Skilled in Terraform and passionate about delivering enterprise-grade products that align with customer needs, enhancing system resilience and operational efficiency.

Technologies Known

- Programming and scripting languages: Java, Python, Dart, Bash shell scripting
- Web and application frameworks: Spring (Java), Flask (Python), Flutter (Dart)
- Infrastructure as code (IaC) and containerization: Terraform, Docker, Kubernetes, Vagrant
- Build and dependency management: Maven, SBT, Pip
- Data integration and messaging: StreamSets, Apache Kafka, Confluent Kafka, RabbitMQ
- Reverse proxies and service meshes: Nginx, Traefik, Istio
- CI/CD and Version Control: Git (GitHub, GitHub Actions), Azure DevOps, Ansible, Puppet, Chef, Salt
- Monitoring, Logging, and observability: Grafana, Telegraf, Prometheus, Splunk, Dynatrace, Elastic Stack (EFK/ELK), Cloud Monitoring
- Databases: PostgreSQL, MySQL, Oracle DB, MongoDB (Atlas), InfluxDB
- Cloud platforms: Google Cloud Platform (GCP), Microsoft Azure, Amazon Web Services (AWS)
- Operating systems: Linux, Windows
- Cloud Marketplace: GCP, Azure, and AWS

Experience

Modak Analytics | Hyderabad
Lead Product Engineer
09/2024 - Current

- Architected a **multi-tenant, cloud-native analytics platform** supporting **real-time distributed processing** for over **10 enterprise clients**, enabling sub-second insight delivery.
- Led **6+ cross-functional teams** (Product, QA, Engineering, DevOps, Sales Engineering) and ensured **100% on-time feature releases** across multiple product cycles.
- Reduced deployment time by **40%** through automation of **CI/CD pipelines**, real-time observability, and integrated tooling (CLI, REST APIs, UI).
- Represented **technical roadmap** in **15+ customer-facing sessions**, executive briefings, and industry panels, influencing roadmap alignment and stakeholder engagement.
- Delivered **SaaS integrations across AWS, Azure, and GCP marketplaces**, reducing onboarding time by **30%** and enabling automated **licensing and billing**.
- Provisioned **auto-scaling Apache Spark clusters** using **Kubernetes, Docker, and Terraform (IaC)**, reducing environment setup time by **75%** and cutting infrastructure costs by **50%**.

Modak Analytics | Hyderabad
Senior DevOps Engineer
03/2022 - 08/2024

- **Engineered secure and scalable landing zones** on **Google Cloud Platform (GCP)** and **Microsoft Azure**, aligned with enterprise architecture standards to support **zero-touch provisioning** across **20+ projects**.

- **Automated infrastructure provisioning** using **Terraform** and integrated **CI/CD pipelines** via **GitHub Actions** and **Azure DevOps**, reducing deployment errors by **70%** and cutting release times by **50%**.
- **Designed cloud cost governance frameworks**, including **automated billing dashboards**, **tagging enforcement**, and **budget alerting**, leading to a **25–35% reduction** in monthly cloud spend.
- **Developed real-time observability architecture** using **Grafana**, **Prometheus**, **ELK Stack**, **Splunk**, and **Google Stackdriver**, enabling **SRE best practices** and reducing **MTTR** by **40%**.
- **Delivered marketplace-ready SaaS integrations** on **AWS Marketplace**, **Azure Marketplace**, and **Google Cloud Marketplace**, supporting **automated licensing, metering, and billing** for recurring revenue enablement.

Modak Analytics | Hyderabad
DevOps Engineer
 04/2020 - 02/2022

- **Automated deployment of IBM StreamSets and Confluent Kafka pipelines** across **Google Cloud** and **Azure**, increasing deployment consistency and **reducing failure rates by 60%**.
- **Built hybrid cloud deployment frameworks** using **Terraform**, **Azure DevOps**, and **Ansible**, enabling scalable rollout across **20+ tenant environments**.
- **Deployed containerized microservices** on **Kubernetes clusters**, doubling service availability and supporting **multi-region failover** with zero downtime deployments.
- **Enabled full-stack performance observability** through **Splunk** and **Dynatrace**, achieving **average bottleneck resolution time under 2 hours** and improving uptime.

Modak Analytics | Hyderabad
Data Engineer
 09/2019 - 03/2020

- **Developed a custom Java-based ETL platform** using **StreamSets** and **PostgreSQL**, designed to handle **1TB+ of daily data** across multi-cloud environments.
- **Engineered flexible pipeline execution logic** supporting diverse data sources and sinks including **Kafka**, **GCS**, **Amazon S3**, **Azure Data Lake Storage (ADLS)**, **Oracle**, and **MongoDB**, improving reliability and reducing integration effort.
- **Automated end-to-end PaaS deployment lifecycle** across **AWS**, **Azure**, and **GCP**, improving provisioning speed by **60%** and eliminating manual configuration.

Education

Osmania University | Hyderabad
Hyderabad in Electronics And Communication
 06/2019

Sri Chaitanya Junior College | Hyderabad
Intermediate in Hyderabad
 05/2015

The Nalgonda Public School (C.B.S.E) | Nalgonda
Class X
 06/2013
 GPA: 9.2

Interests

- National Chess & Carom Player
- Violet Belt in Karate | Gymnast | UCMAS Graduate
- Singer & Beginner Flutist
- Anime Fan (Naruto, One Piece) | Marvel & DC Enthusiast
- Passionate Teacher & Mentor

Professional Profiles

- <https://sadhvikchirunomula.github.io/>
- <https://stackoverflow.com/users/12455245/sadhvik-chirunomula>