Sadhvik Chirunomula
Senior Devops Engineer

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Dedicated and results-driven professional with a strong foundation in data engineering, cloud architecture, and DevOps practices. Adept at seamlessly bridging the gap between development and operations, I aim to leverage my expertise in technology stack optimization, infrastructure automation, and cloud integration to contribute to innovative and high-impact projects.

Experience

Devops Engineer at Modak Analytics   *Jun 2019 - Present*

Project I: Bulk Pub/Sub

- In my first year of career, spearheaded the development of the "Bulk - Publisher/Subscriber" application using Java and Streamsets, facilitating seamless data migration across various platforms, including Postgres, MySQL, OracleDB, MongoDB, Kafka, GCS, ADLS2, and S3.
- Automated ETL (Extract, Transform, Load) jobs with a custom scheduler for efficient execution based on predefined schedules.
- Transitioned to DevOps after the initial 12-month period, where I orchestrated and streamlined processes, enhancing deployment efficiency, and facilitating smooth environment upgrades and migrations.

Project II: Landing Zone Design and Devops

- Implemented Landing Zones on Google Cloud Platform (GCP) and Azure, optimizing client operations for scalability and efficiency.
- Automated infrastructure provisioning with Terraform, GitHub, GitHub Actions, and Azure DevOps Pipelines, ensuring rapid and reliable deployment of resources.
- Engineered and fine-tuned network flows across GCP, Azure, and AWS, enhancing data transfer efficiency and security.
- Applied advanced containerization techniques with Docker and orchestrated deployments using Minikube, Google Kubernetes Engine (GKE), Azure Kubernetes Service (AKS), and Amazon Elastic Kubernetes Service (EKS).
- Streamlined and optimized end-to-end CI/CD processes, resulting in heightened development efficiency and seamless code deployment.
- Spearheaded cloud cost optimization initiatives, actively managing and optimizing resource utilization for enhanced operational efficiency.
- Developed a centralized billing dashboard, employing technical expertise for comprehensive financial oversight across diverse cloud platforms.
- Conducted root cause analysis for incidents, driving proactive enhancements to system stability and resilience.

Project III: Cloud Marketplace and Spark Infrastructure Automation

- Orchestrated on-demand Spark infrastructure provisioning using Terraform, Kubernetes, and Docker for agile and responsive deployment, while implementing comprehensive Infrastructure as Code (IaC) practices.
- Seamless application integration with Google, Azure, and AWS Marketplace was orchestrated, optimizing system interoperability and automating customer management, including billing processes.

- Automated package and configuration management with Ansible, enhancing deployment processes and operational efficiency.
- Demonstrated technical expertise in Marketplace Integrations, facilitating seamless collaboration and enriched functionalities with external platforms.
- Configured a robust centralized monitoring system using Grafana, Prometheus, Telegraf, Elastic Search, Kibana, Dynatrace, Splunk, and Filebeat for comprehensive system visibility.
- Showcased proficiency in version control systems like Git, ensuring effective source code management and traceability.
- Delivered training sessions on emerging technologies, tools, and best practices, equipping team members with up-to-date skills and knowledge.
- Mentored junior team members, fostering their professional growth and contributing to skill development within the team.
- Participated in regular sprint planning and retrospective meetings, contributing to an agile and collaborative work environment.
- Applied Agile methodology in project management, ensuring a responsive and iterative approach to development processes.

Technologies Known

Programming Languages:
- Java, Python
- Dart
- Bash Shell Scripting

Web 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:
- Nginx
- Traefik
- Istio

Automation, CI/CD and Version Control:
- Ansible
- Git (GitHub, GitHub Actions)
- Azure DevOps

Monitoring and Logging:
- Splunk, Dynatrace
- Grafana, Telegraf, Prometheus
- Elastic Search, Kibana
- Filebeat, Metricbeat
- Stackdriver, LAW, Cloud Watch

Database Systems:
- PostgreSQL, MySQL, Oracle DB
- MongoDB, Atlas Mongo
- InfluxDB

Cloud Platforms:
- Google Cloud Platform (GCP)
- Microsoft Azure
- Amazon Web Services (AWS):

Operating Systems:
- Linux
- Windows

Cloud Marketplace Integrations:
- SaaS GCP
- SaaS Azure
- SaaS AWS

Education

MVSR Engineering College   *Aug 2015 - Jun 2019*

- Osmania University
- Bachelor of Engineering
- Major in Electronics and Communications (E.C.E)
- Percentage -- 80%

Sri Chaitanya Junior College   *April 2013 - May 2015*

- Board of Intermediate
- Maths, Physics and Chemistry (M.P.C.)
- Percentage -- 92.9%

The Nalgonda Public School   *Jun 2012 - Jun 2013*

- Central Board of Secondary Education
- Class X
- CGPA -- 9.2

Interests and Hobbies

- National Chess and Carrom Player
- Violet Belt in Karate
- Gymnast
- UCMAS Graduate
- Singer and Beginner Flutist
- Naruto and One Piece Anime Fan
- Marvel and DC Enthusiast
- Passionate Teacher

Professional Profiles

- **Stackoverflow**: https://stackoverflow.com/users/12455245/sadhvik-chirunomula
- **Linkedin**: https://www.linkedin.com/in/sadhvik-chirunomula-080064170/
- **Leetcode**: https://leetcode.com/Sadhvik_Chirunomula/
- **Portfolio** Website: https://sadhvikchirunomula.github.io/
- **Email** ID: sadhu1998@gmail.com

Declaration

I, Sadhvik Chirunomula, solemnly declare that the information presented in this document is accurate, truthful, and complete to the best of my knowledge and belief. I acknowledge that any misrepresentation or omission of facts may result in disqualification from consideration for any position applied for or potential employment. I also affirm my commitment to providing any necessary supporting documentation upon request.