JEEVAN SAI KANAPARTHI

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Technical Skills Summary

- **Cloud:** AWS (EC2, S3, RDS, VPC, CloudWatch) - Automated infrastructure provisioning using Terraform, resulting in a *20% reduction* in provisioning time (see Experience).
- **DevOps:** CI/CD (Jenkins, GitLab CI/CD), Docker, Kubernetes, Terraform, Ansible, Maven - Designed and managed CI/CD pipelines, improving development workflows and reducing deployment errors by *15%* (see Experience).
- **Scripting & Programming:** Python, Shell Scripting, Groovy, C++, Java - Used extensively for automation and custom monitoring solutions, optimizing container management processes and enhancing performance by *30%* (see Experience)..
- **Databases:** Snowflake SQL, Freemarker Templates, SQL - Automated complex query generation, enhancing reporting accuracy by *45%* (see Experience).
- **Operating Systems:** Linux Administration - Proficient in Linux systems administration, performance tuning, and troubleshooting.
- **Version Control:** Git, GitHub, Bitbucket - Ensured efficient collaboration and version tracking across development teams.

Experience

DevOps Engineer at NielsenIQ India, Chennai, February 2022 - Present [Notice Period: 2 Months]

- Automated CI/CD pipelines using **Jenkins**, GitLab CI/CD, **Python**, **Groovy**, and Shell, **achieving a 25% reduction in deployment time.**
- Developed Python automation scripts optimizing container management and orchestration with **Docker** and **Kubernetes**, improving deployment efficiency.
- Applied data structures and algorithms in Python to create efficient system-level automation, streamlining repetitive tasks and ***enhancing performance by 30%.***
- Spearheaded Docker containerization, streamlining deployments and eliminating errors.
- Optimized Jenkins pipelines and synchronized application images, ***reducing deployment misalignments by 30%.***
- Automated complex query generation using **Snowflake SQL**, **Freemarker Templates**, and **window functions**, **improving reporting accuracy by 45%.**
- Managed AWS cloud infrastructure with **Terraform** and **Ansible**, ***decreasing infrastructure provisioning time by 20%.***
- Mentored junior engineers in DevOps best practices, **boosting team productivity by 15%**.
- Optimized build and dependency management workflows using **Maven**, improving build consistency.
- Implemented **AWS CloudWatch** monitoring solutions with custom metrics and alarms in Python, ensuring system reliability and uptime.
- Upskilled in cloud technologies, optimizing system efficiency and ***reducing operational costs by 25%***.
- **Partner daily with Release Management**, driving a cloud-native approach using **AWS**, Kubernetes, Terraform, and Ansible to automate infrastructure and optimize deployments.
- Focused on Docker containerization, ensuring efficient deployments across all environments.
- Expanded expertise in **data structures, algorithms**, and system optimization for efficient automation and infrastructure management.

Education

- B.Tech from SRM University, Amaravathi, April 2018 - April 2022, **CGPA: 9.31**

Certifications

- **DevOps** Beginners to Advanced with Projects (2023) - Udemy
- **Jenkins**, From Zero to Hero: Become A DevOps Jenkins Master - Udemy
- **Continuous Integration** and **Continuous Delivery** with **GitLab** - LinkedIn Learning
- **AWS Cloud Formation** for Beginners - LinkedIn Learning
- Monitoring **AWS** with **CloudWatch** - LinkedIn Learning

PROJECTS

- **Providing Development and DevOps operations support for the company's applications** — *NielsenIQ (Over 3 years)*
  Maintained and optimized CI/CD pipelines using Jenkins, Docker, and Kubernetes, ensuring consistent and reliable application deployments. See "DevOps Engineer" role in Experience section for details.
- **Real-Time Data Aggregation and Filtering System with Snowflake SQL** — *NielsenIQ (Over 3 years)*
  Developed and implemented efficient Snowflake SQL queries and data aggregation techniques, improving data processing speed by 20%. See "DevOps Engineer" role in Experience section for details.
- **Containerized Doctor-Patient Interaction and Appointment System (Personal Project):**
  Developed using Docker and Kubernetes.