

SAMPATH SAI PALADI

DevOps Engineer

saisampathapaladi@gmail.com

<https://github.com/saisampathpaladi>

www.linkedin.com/in/sampathsaipaladi

91+ 8639808261

Software engineer with 3+ industry experience in designing and maintaining robust data integration solutions. Currently, I am expanding my skill set into DevOps, focusing on automation, scalability and reliability. My goal is to blend my ETL expertise with DevOps practices to streamline processes, enhance efficiency, and support continuous software delivery.

Technical Skills

- *Cloud Technologies:* -AWS, Snowflake
- *Build Tools:* -Maven
- *Container Technologies:* -Docker, Kubernetes, Podman
- *Scripting:* -Shell, Bash
- *Version Control System:* -Git&GitHub
- *Configuration Management:* -Ansible
- *Infrastructure as Code:* -Terraform
- *CI/CD:* -Jenkins, Gitlab, Github actions
- *Monitoring tools:* -Splunk, Grafana
- *ETL tools:* -Informatica, Autosys
- *Databases tools:* -DB2, MySQL, SQL
- *Web servers:* -Nginx, Apache2
- *Application server:* -Tomcat

Professional Summary

Upwork,(IIC technology)Hyderabad — freelance DevOps Engineer

Dec 2022 - present

- Successfully added Kubernetes clusters as runners to Jenkins CI-CD pipeline and consequently added argoCD to github actions for test environment, enhancing scalability and build performance.
- Managed and maintained Kubernetes clusters, ensuring high availability and scalability for containerized applications. Implemented rolling updates and automatic scaling to accommodate increased workloads during peak usage periods.
- Conducted resource allocation and utilization analysis, leading to the optimization of container resource limits and requests. This resulted in a 15% reduction in infrastructure costs while maintaining optimal application performance.
- Streamlined the CI/CD pipeline for Java-based applications using Maven, resulting in a 20% reduction in build and deployment times.
- Developed a custom Bash script to automate routine system backups, enhancing disaster recovery capabilities.
- Implemented proactive monitoring and alerting using Prometheus and Grafana, reducing system downtime by 15%.
- Deployed Promtail to EKS clusters for log collection and aggregation with Loki, then integrated with Grafana for real-time log visualization and monitoring.
- Collaborated with multiple teams on Dockerfile creation sessions and containerized applications and implemented CI-CD pipeline Github web-hooks for automated image creation and storage of container in both ECR and docker hub
- Provisioned and managed AWS cloud infrastructure using Terraform, and configured and automated server setups using Ansible, enhancing deployment efficiency and system consistency
- Utilized AWS services such as SNS, SQS, and API Gateway to build event-driven architectures, enhancing system responsiveness and flexibility.

Accenture, Hyderabad — Software analyst
Feb 2021 - Sept 2022

- Enabled the migration of projects from DB2 to Snowflake cloud in an Agile environment, collaborating with cross-functional teams and automating rejection handling with shell scripts and Informatica jobs, reducing SLA delays.
- Monitored and maintained ETL applications using Informatica, AutoSys, and Splunk, ensuring high efficiency and minimal downtime, while optimizing workflows and system performance.
- Automated manual tasks and processes for improved governance and compliance, and managed database access in coordination with the DB admin.
- Written the Ansible YAML scripts to configure the remote servers.
- Jenkins CI/CD Pipeline configuration using declarative pipeline for each stage of deployment.
- Experience in automation of manual tasks & processes enabling better governance and compliance using Python.
- Resolved critical production incidents promptly, maintaining system availability and minimizing business impact.
- Demonstrated excellent problem-solving skills by automating routine server maintenance tasks, freeing up valuable team resources for strategic projects.

PROJECTS AND CLOUD EXPERIENCE

AWS Home lab multiplayer chess game

[-link](#)

Developed a 2-player chess game using HTML, CSS, and JavaScript; containerized the application with Docker, deployed it on an Nginx web server, and configured custom DNS for traffic routing.

Deployed a highly scalable 2-player chess game in Kubernetes clusters and uploaded it to Docker-hub as an open-source contribution. Utilized AWS Cloud-watch to monitor the performance of EC2 nodes and EKS cluster and create automated alerts

Home lab – CI-CD pipeline Jenkins & github actions

[-link](#)

Implemented Jenkins CI/CD pipelines to automate code deployment and testing processes for my web application to-do list and also implemented the same in github actions for seamless migration.

Configured Jenkins pipelines for seamless integration with version control systems Git.

Home lab – Automated deployment using Terraform

[-link](#)

Wrote Terraform configuration files to automate the creation of S3 buckets and enabled web hosting for my portfolio. Implemented automated deployment of a chess application using Terraform on AWS EKS with VPCs, Auto scaling and load balancer.

Home lab – configuration of server via ansible

Configured and automated home lab server deployments using Ansible, achieving a 40% reduction in setup time and improving system consistency by 25% also implemented loki, promtail, prometheus to my AWS EKS cluster to monitor deployment and logs

EDUCATION

Karunya Institute of Technology and sciences, Coimbatore — B.Tech

July 2016 - August 2020

Computer Science 7.39/10 CGPA

CERTIFICATIONS

AWS cloud practitioner (in progress)

Business English certificate preliminary
Ref no: 173IN0931109

LANGUAGES

English -fluent

Hindi -fluent

Telugu -fluent

SOFT SKILLS

Effective Communication |Advanced Problem-Solving |Effective Time Management |Collaborative Team Player
|Critical Thinking