

# SAI KUMAR CHUKKA

## DEVOPS ENGINEER

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## PROFILE SUMMARY

Highly skilled DevOps Engineer with over 3+ years of experience in managing cloud infrastructure, automating deployments, and optimizing system performance. Proficient in designing and implementing CI/CD pipelines using tools like Jenkins, GitHub Actions, and Terraform. Demonstrated expertise in Kubernetes, Docker, and cloud platforms such as Azure and AWS to ensure scalability, reliability, and cost-efficiency. Experienced in proactive system monitoring with Grafana and Loki and in collaborating within Agile teams to deliver robust, maintainable solutions. Strong knowledge of Infrastructure as Code (IaC), cloud cost optimization strategies, and container orchestration.

## WORK EXPERIENCE

### System Engineer at Tata consultancy services limited

Apr 2023- Present

Role: DevOps Engineer and Infra-Engineer | Client: Maersk

- Managed **Azure infrastructure** using **Terraform** and automated deployment pipelines with **GitHub Actions**, ensuring efficient and consistent integration processes.
- Monitored infrastructure performance and logs, enabling proactive identification and resolution of potential issues using **Grafana** and **Loki**.
- Designed and deployed containerized applications using **Docker** and orchestrated them with **Kubernetes**, ensuring high availability and scalability of services.
- Automated provisioning and scaling of Kubernetes clusters with **Terraform**, streamlining the management of containerized workloads.
- Implemented CI/CD pipelines using **GitHub Actions**, integrated with Kubernetes for seamless application deployments and updates.
- Collaborated with development teams to containerize applications, improving portability and reducing deployment time using **Docker**.

### Assistant System Engineer at Tata consultancy services limited

Jun 2022- Apr 2023

Role: Azure Administrator and Migration Engineer | Client: Maersk

- Led the migration of Azure managed disks to **Pure Storage CBS** using **Cirrus Migration Cloud**, ensuring seamless transitions with minimal downtime.
- Utilized **Terraform** and **Azure CLI** to deploy and manage Pure Storage CBS resources, automating infrastructure provisioning and improving deployment efficiency.
- Conducted **pre-migration assessments** to identify risks, optimize plans, and ensure minimal disruption during the migration process.
- Optimized storage configurations post-migration using **Terraform** and **Git** for version control, enhancing performance and achieving significant cost savings.
- Implemented **cost-saving strategies**, including analyzing usage patterns and leveraging reserved capacity, to reduce storage-related expenses.

- Provided **post-migration support**, including monitoring system performance, issue resolution, and performance tuning, to ensure stability and client satisfaction.

## Assistant System Engineer-trainee at Tata consultancy services limited

Dec 2021- Jun 2022

Role: Azure Administrator | Client: Standard Chartered Bank

- Achieved a 15% reduction in Azure cloud spending by leveraging tools like Azure Pricing Calculator and implementing resource right-sizing and auto-scaling policies.
- Automated cost-saving workflows using Terraform, Azure CLI, and CI/CD to optimize resource provisioning and track expenditures.
- Utilized Azure Reserved Instances, Spot VMs, **AHB licenses** (39% cost saving) and Blob Storage tiers to minimize compute and storage costs without impacting performance.
- Enabled Azure Advisor recommendations and configured real-time cost monitoring to ensure proactive budget control.
- Improved cost visibility and accountability by implementing resource tagging policies and conducting periodic cost reviews with tools like Gringotts and Azure native dashboards.

## TECHNICAL SKILLS

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Azure | Terraform | Git | Jenkins | Kubernetes | Linux | Grafana | Loki | ServiceNow | AWS | CI/CD | Postman | Agile | Scrum | JIRA | GitHub Actions | Cost Optimization | Docker | | Maven | Yaml | Pure Storage | GitHub | Disk Migration | Cloud Infra | CMC | Azure Certified | Confluence | Project Management | Communication | Leadership | Time Management | Adaptability | Problem-Solving | Teamwork | Creativity

## EDUCATION

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Bachelor of Technology (B. Tech.)

Jun 2016 – Jun 2020

Maharaj Vijayarama Gajapathi Raj college of Engineering, Vizianagaram (India)

## AWARDS AND CERTIFICATIONS

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- Received TCS Special Initiative Award (FY'23) for outstanding quarterly performance
- Earned multiple client appreciations for on-time infrastructure delivery
- Microsoft Azure Certified: AZ-305, AZ-400, AZ-104, AZ-900
- AWS Certified Cloud Practitioner

## DECLARATION

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I hereby declare that all the particulars are true to the best of my knowledge and belief.

(Sai Kumar Chukka)