

Jaffar Sheriff

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SUMMARY

DevOps Engineer with expertise in AWS, Terraform, Docker, and CI/CD automation. Skilled in cloud infrastructure, security, and performance optimization, reducing deployment time by **70%** and enhancing security by **60%**. Proficient in GitLab CI/CD, Jenkins, Kubernetes, and Infrastructure as Code. Passionate about optimizing workflows and increasing system reliability.

EXPERIENCE

Software Engineer Lightcast	June 2023 – present
<ul style="list-style-type: none">Created and managed AWS infrastructure from scratch across multiple accounts, leveraging GitLab CI/CD and Terraform for streamlined deployments, cost efficiency, and smooth execution.Increased API deployment efficiency by 70% by automating AWS provisioning, configuring 250+ resources to optimize utilization and minimize manual intervention.Improved request processing by 30% by designing an automated system to compress and schedule tasks that compresses and schedules tasks using AWS S3, SNS, SQS, and Cron jobs.Enhanced security posture, reducing vulnerabilities by 60%, by implementing best practices with AWS Security Hub and Inspector for compliance and risk mitigation.Developed and deployed a Multilingual Translation API in Python, supporting 100+ users, leading its lifecycle from development to production.Delivered 50+ major production releases, taking ownership of end-to-end development and deployment using GitLab CI/CD, AWS ECS, and Terraform.Migrated APIs from EKS to ECS for improved scalability and simplified infrastructure management, and improving resource utilization.	
Software Engineer Intern Lightcast	January 2023 – April 2023
<ul style="list-style-type: none">Built an automated regression testing framework, reducing execution time by 75% and eliminating manual testing, cutting manpower needs entirely.Automated AWS EC2 provisioning by integrating a Terraform module into CI/CD pipelines for seamless infrastructure deployment.Configured Nginx as a reverse proxy and load balancer, optimizing traffic management and performance across 40+ servers.	

PROJECT

Cipher Cracker	January 2024 – April 2024
<ul style="list-style-type: none">Developed a web application automating decryption techniques, making cryptanalysis more accessible for security researchers.Built the backend in Python, integrating cryptographic attack strategies and decryption algorithms for efficient analysis.Coordinated a team to enhance the Cipher Cracker tool, reducing decryption processing time by 40% and facilitating the addition of new cryptographic algorithms for comprehensive analysis.Deployed a scalable AWS infrastructure using EC2, S3, and VPC, ensuring reliability and performance and Containerized the application with Docker to streamline deployment and enhance scalability.	
Continuing First Graduate	January 2023 – December 2023
<ul style="list-style-type: none">Developed Tamil Nadu's first digital Graduate Scholarship Portal, automating the manual scholarship approval process for efficiency.Designed and implemented a scalable backend using Python and PHP, enhancing data processing speed and system reliability.Reduced approval time by 35% through the automated standard operations deployed on an on-premises servers.	

SKILLS

Cloud Platform:— AWS(EC2, S3, ECR, IAM, ECS, VPC, SNS, SQS, Lambda, Security Hub & Inspector), **Containerization:**— Docker & Kubernetes, **Version Control:** — Git, GitHub & GitLab, **Infrastructure Provisioning:** — Terraform Certified, **Continuous Integration/Continuous Deployment:** — GitLab CI/CD & Jenkins, **Scripting Language:**— Batch scripting, Shell scripting & Python, **Monitoring Tools:** — Cloud Agents, Cloudwatch & Coralogix, **Operating System:**— Linux & Windows, **Testing:**—TDD & JMeter, **Tools:** — Confluence, JIRA, Postman & Swagger.

EDUCATION

Bachelor of Computer Science and Engineering Government College of Engineering, Bargur CGPA 8.9 Tamil Nadu, India	2019 – 2023
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CERTIFICATIONS

AWS Certified Solutions Architect – Associate	October 2024 – October 2027
HashiCorp Certified: Terraform Associate (003)	December 2024 – December 2026