NIKHIL RAGHUPATHY

DevOps Engineer

8428754385 | rnikhilvignesh21@gmail.com | [LinkedIn](#) | [Visit My Portfolio](#)

PROFESSIONAL SUMMARY

DevOps Engineer with 2 years of experience in designing, automating, and optimizing cloud infrastructure. Hands on experience in AWS, CI/CD pipelines, Docker, and Infrastructure as Code (IaC). Successfully reduced cloud costs and improved deployment efficiency through DevOps best practices. Adept at troubleshooting, security enhancement, and performance tuning in cloud environments. Passionate about scalability, automation, and continuous learning to drive innovation.

TECHNICAL SKILLS

- **Cloud Technologies:** AWS (EC2, S3, CloudFront, Route 53, VPC, ELB, Auto Scaling, IAM, Elastic Beanstalk), OpenStack, Azure
- **Version Control:** Git, GitHub
- **CI/CD Tools:** GitHub Actions (self-hosted runners, workflow automation), Jenkins (pipeline setup, SonarQube integration)
- **Containerization:** Docker (multi-stage builds, networking, volumes, Docker Compose)
- **Monitoring & Logging:** Prometheus (metrics collection, alerting), Grafana (dashboard visualization), cAdvisor (container monitoring)
- **Web Server & Security:** Nginx (reverse proxy, load balancing, SSL setup), SSH, IAM, Firewalls
- **Scripting & Automation:** Python (web scraping, automation), Shell Scripting (system administration, infrastructure automation), Terraform (IaC for AWS provisioning)
- **Networking:** IP configuration, subnetting, firewalls

KEY PROJECTS & CONTRIBUTIONS

- **Kliqmee Web Application**: Deployed on AWS EC2 with CI/CD using GitHub Actions, Nginx reverse proxy, SSL security, and monitoring solutions.
- **Verificarepro**: Developed a data scraper using Python & Selenium, optimized cloud costs, and implemented automated database backups.
- **Server Build (Internal Compute Requirements)**: Set up a physical server with network topology, security protocols, and automated maintenance.
- **Private Cloud using OpenStack**: Built a scalable private cloud, configured VMs, automated provisioning with IaC, and optimized performance.
- **Docker Management Tool**: Created a command-line tool for managing Docker containers, images, and networks with logging & resource monitoring.
- **Web Scraper (Python & Selenium)**: Developed an automated web scraper using Python and Selenium, Built custom parsers to handle various webpage structures.

EXPERIENCE

e-Cosmos India Private Limited   **September 2023 - Present**
DevOps Engineer   *Bengaluru, India*

- Optimized CI/CD pipeline reducing deployment time and improving reliability.
- Implemented cost-saving strategies, reducing AWS infrastructure expenses.
- Enhanced monitoring and alerting using Prometheus and Grafana, decreasing system downtime.

Magic Bus India Foundation   **January 2023 – May 2023**
AWS Re/Start Program Intern   *Chennai, India*

- Completed AWS Re/Start program with hands-on experience in AWS cloud fundamentals.
- Developed foundational knowledge in AWS services and best practices for cloud security and scalability.

CERTIFICATIONS

AWS Certified Cloud Practitioner
Issued on: May 2023
[View Certification](#)

EDUCATION

Master of Computer Applications   **June 2021 – April 2023**
S. A. Engineering College   *Chennai, Tamil Nadu*
CGPA: 8.33

Bachelor of Computer Applications   **June 2018 – April 2021**
Apollo Arts & Science College   *Chennai, Tamil Nadu*
CGPA: 7.81