

YASHVANTH S B

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SUMMARY

Master of Science graduate in **Cloud Computing** from NCI, Ireland, with **3+** years of experience in designing, building, and managing cloud and DevOps solutions. Skilled in leveraging best practices and tools for efficient, high quality software delivery and system performance. Proficient in Amazon Web Services (AWS), Docker, Kubernetes, Terraform, Linux, and monitoring tools like Prometheus and Grafana. Experienced in automating and optimizing CI/CD pipelines and infrastructure deployment processes, with a strong focus on scalability and operational reliability. Proven ability to collaborate effectively with cross-functional teams to drive successful project outcomes.

EDUCATION

Master of Science (MSc) in Cloud Computing. National College of Ireland, Dublin. Relevant Coursework: Cloud-computing, DevSecOps, Data Governance, and MLOps.	2024 - 2025 Grade: 2:1
Bachelor of Engineering in Electronics and Communication Engineering. Adichunchanagiri Institute of Technology, Karnataka.	2018 - 2022 CGPA: 7.9

SKILLS

- **Cloud Platforms:** AWS (EC2, Lambda, VPC) and Microsoft Azure.
- **Operating System:** Linux.
- **Infrastructure as Code (IaC):** Terraform.
- **Containerization and Orchestration:** Docker and Kubernetes.
- **CI/CD and GitOps:** Jenkins (Continuous Integration) and Argo CD (Continuous Deployment).
- **Cloud security (DevSecOps):** SonarQube (SAST), Trivy (Container Scanning), OWASP ZAP (DAST).
- **Monitoring and Observability:** Prometheus, Grafana, Kibana, ELK Stack.
- **SRE and Networking:** SLIs/SLOs/SLAs, VPC, Subnets, DNS, Route53, OSI model.
- **Programming:** Python, Boto3(AWS SDK)
- **Automation:** Created Python scripts for Automation, data processing and system integration.

Soft Skills: Problem-Solving, Time Management, Collaboration.

WORK EXPERIENCE

Cloud DevOps Engineer Techoral PVT LTD. Bangalore, India	Jun 2021 – Sep 2022
• Established proactive monitoring and Linux troubleshooting workflows, minimizing incident resolution time by 35% and strengthening platform reliability. • Automated infrastructure provisioning with Terraform, reducing environment setup time by 40% and improving deployment consistency across multiple environments. • Engineered CI/CD pipelines for application deployments, accelerating release cycles by 50% and enhancing deployment reliability. • Administered AWS cloud infrastructure including EC2, IAM, S3, and VPC, improving system availability by 25% through optimized resource configuration and monitoring.	
DevOps/SRE Engineer MAXIMUS GCC, Bangalore, India	Oct 2022 - July 2024
• Project: MAXIMUS Provider Connection(MPC) • MPC is a healthcare application that is built for providers such as doctors, physicians, etc. Providers can enroll through the application and manage claims, appeals, etc. • Strengthened application availability by 20% during peak traffic by configuring AWS Auto Scaling and Azure Traffic Manager. • Reduced pre-production security risks by integrating SonarQube (SAST), Trivy (Container Scanning), GitLeaks (Secret detection), and pip-audit (dependency vulnerability scanning) into CI/CD pipelines. • Identified runtime vulnerabilities using OWASP ZAP (DAST), improving application security before production releases.	

- Standardized environments using Docker, reducing the configuration time by **25%** and improving the consistency of the deployment.
- Streamlined CI/CD workflows using Jenkins and Argo CD, accelerating deployment delivery by 50%.
- Resolved Kubernetes issues (CrashLoopBackOff, ImagePullBackOff) and built Grafana dashboards to monitor CPU, memory, and pod health.
- Developed pod restart alerting system using logs and metrics to improve incident response time.

PROJECTS

Research Project:

Architected adaptive multi-cloud traffic routing strategies using AWS CloudFront, Route53, Azure Traffic Manager, and Kubernetes HPA to enhance latency distribution and workload balancing.

- Designed and refined load balancing algorithms to reduce latency and response time using Route 53, Azure AKS, Azure Traffic Manager, AWS CloudFront, and Horizontal Pod Autoscaler (HPA).

Maximus Provider Connection - US Nebraska Client:

Optimized container orchestration workflows in Kubernetes by resolving pod stability issues and improving resource utilization, resulting in improved workload performance and reduced application downtime across production environments.

Inventory Management Project:

- Built and containerized a Django-based Inventory application with Terraform-managed AWS infrastructure and Jenkins CI/CD automation for seamless deployment workflows.
- Integrated Netlify frontend hosting with AWS EC2 backend deployment, incorporating centralized logging, monitoring, and security controls for production-ready delivery.

EXTRA-CURRICULAR ACTIVITIES

- Delivered project guidance to **10+** students and partnered with faculty to strengthen cloud computing practical learning.
- Volunteered with my college group to teach and assist rural students in learning computer use and their benefits, under the college internship program.

CERTIFICATIONS AND AWARDS

- AWS Solutions Architect Associate.
- AWS Certified AI Practitioner.
- Operational Excellence Award.