

Yousaf K H

DevOps Engineer | Platform Engineer | SRE | Cloud Engineer | DevSecOps Engineer

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CAREER SUMMARY

Experienced as a CloudOps professional with over 6 years of expertise in designing, implementing, and managing scalable, reliable, and secure infrastructure. Demonstrated proficiency in automating tasks, resolving issues, and fostering collaboration with development teams. Specialized knowledge in cloud computing, Infrastructure as Code, scripting, security, containerization, and CI/CD pipelines.

SKILLS AND STRENGTHS

- **Cloud:** AWS, Basics of GCP and Azure.
 - **Infrastructure as Code:** Terraform, Basics of CloudFormation and Ansible.
 - **CI/CD:** GitHub Actions, AWS Code pipeline, Jenkins.
 - **Containerization:** Kubernetes, Docker.
 - **Scripting:** Basics of Python, Bash Scripting.
 - **Monitoring Tools:** Grafana, Prometheus, New Relic, Zabbix, Nagios, CloudWatch, CloudTrail.
 - **Database:** RDS (Postgres, MySQL, MariaDB), DynamoDB, Redis.
 - **Operating Systems:** Linux (CentOS, RedHat, Ubuntu), Basics of Windows.
 - **Security Tools:** Checkov (Terraform), Trivy and SonarQube.
 - **Version Control:** Git (GitHub, AWS Code Commit, BitBucket).
 - **Web Server:** Nginx, Apache.
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WORK EXPERIENCE

DevOps Engineer

Alamy Inc, Trivandrum, India,

(11/2023) - Present

- Enhanced AWS services to optimize infrastructure efficiency by 20% through strategic implementation of EC2, S3, RDS, IAM, and other services, driving scalable solutions and ensuring seamless resource management with the introduction of AWS tagging methods.
- Established AWS IAM user management using Terraform, ensuring secure access controls and adherence to best practices. Monitored IAM activities closely, with 90% of IAM modifications managed through version-controlled GitHub repositories, enhancing transparency, auditability, and governance.
- Managed Azure Active Directory (AAD) app registrations, configuring access controls and authentication mechanisms for application security.
- Optimized application deployments on AWS EKS, bolstering scalability and performance within Kubernetes ecosystems. applied CI/CD deployment workflows for EKS-based projects.
- Spearheaded Terraform implementation for Infrastructure as Code (IaC), resulting in a 15% reduction in provisioning time and enabling repeatable cloud infrastructure deployment.
- Deployed Snyk, Trivy, SonarQube and Checkov for automated security checks, enhancing code quality and infrastructure security by 90%.
- Spearheaded the implementation of Grafana and New Relic, providing real-time insights that led to a 30% reduction in server response time and a 20% increase in website uptime.

Senior Platform Engineer

Quantiphi Inc, Trivandrum, India,

(08/2021) - (11/2023)

- Effectively handled project cost management on GCP, utilizing billing and budgeting tools to optimize cloud expenditure.
- Executed Blue-Green deployment strategies, reducing downtime by 100% and ensuring seamless rollbacks in case of issues.
- Orchestrated CI/CD pipelines using Code Pipeline, GitHub Actions, and Jenkins, optimizing continuous integration and deployment processes. Achieved a 25% reduction in deployment time.
- Facilitated collaboration between DevOps and development teams by spearheading sprint planning and retrospectives in Jira using Agile methodologies, resulting in a 20% enhancement in project delivery timelines and a 15% elevation in team morale.

System Engineer (Cloud Support)

Armia Systems, Ernakulam, India,

(05/2020) - (08/2021)

- Led and mentored a team of 5 cloud support specialists, ensuring efficient resolution of technical issues and effective collaboration on projects.
- Introduced robust cost monitoring strategies within client AWS accounts, leveraging native AWS tools and custom scripts to optimize spending and achieve up to 15% annual budget savings.
- Showcased expertise in managing Linux and Windows Server environments, executing troubleshooting, and implementing robust security measures.
- Utilized Ansible to conduct weekly security and patch checks across 100+ servers, ensuring compliance and safeguarding against vulnerabilities without compromising system integrity.

System Engineer (TechOps)

Activelobby Information Systems, Ernakulam, India,

(10/2018) - (03/2020)

- Leveraged Docker to containerize applications, achieving a 20% improvement in deployment consistency and scalability across environments.
- Provided hands-on support to developers in setting up cost-effective AWS infrastructure, resulting in a 20% improvement in product quality.
- Developed comprehensive documentation and blog posts to streamline the onboarding process, resulting in a 50% reduction in ramp-up time for new team members.
- Implemented Nagios and Zabbix monitoring solutions to oversee 150+ physical and cloud servers, effectively reducing downtime by 98% and mitigating spamming/phishing incidents through monitoring and alerting.

SOFT SKILLS

- Critical Thinker.
- Troubleshooter.
- Leadership.
- Communication.

CERTIFICATIONS

AWS Certified Solutions Architect Associate (AWS)

Certified Kubernetes Administrator (The Linux Foundation)

Terraform Associate Certification (KodeKloud)

Fundamentals of Ethical Hacking (Offense Hackers Academy)

EDUCATION

MSc Computer Science, (2021 - 2023), Bharathiar University, India

BTech Computer Science (2014 - 2018), North East Frontier Technical University, India