

KARTHIK KATKOJWALA

AWS Cloud Engineer

8688 994 552 | karthik.katkojwala@gmail.com | Hyderabad

PROFESSIONAL SUMMARY

Skilled and experienced DevOps Engineer with a proven track record in delivering innovative solutions to improve system performance, automation, and deployment. Proficient in a wide range of DevOps tools and technologies, including Jenkins, Docker, Kubernetes, Terraform, and AWS. Strong understanding of CI/CD pipelines, infrastructure as code, and agile development methodologies. Demonstrated ability to collaborate effectively with cross-functional teams, including developers, QA engineers, and IT operations, to streamline workflows and optimize processes. Committed to delivering high-quality, secure, and scalable solutions that meet business objectives and exceed customer expectations.

WORK EXPERIENCE

Dynamics eShop - Software Engineer

Nov 2019 - Present

- **AWS Services Management:** Architected and managed cloud infrastructure using AWS services including EC2, S3, VPC, IAM, Elastic Beanstalk, and Lambda optimizing performance and cost-efficiency.
- **Scripting and Automation:** Developed and maintained automation scripts in Python, Bash, and PowerShell to streamline operational tasks, deployment processes, and infrastructure management.
- **Infrastructure as Code (IaC):** Implemented and maintained infrastructure as code using Terraform leading to a more reliable and reproducible environment setup.
- **Networking and Security:** Designed and configured secure network architectures, ensuring compliance with best practices and industry standards. Managed VPC setups, security groups, and IAM policies to safeguard cloud resources.
- **Containerization and Serverless:** Deployed and managed containerized applications using Docker and Kubernetes. Leveraged AWS Lambda for serverless computing, significantly reducing operational overhead and improving scalability.
- **Problem-Solving and Troubleshooting:** Diagnosed and resolved complex issues in distributed systems, leveraging extensive knowledge of AWS services and tools to ensure high availability and performance.
- **Cross-Functional Collaboration:** Worked closely with development, operations, and security teams to deliver solutions aligned with business goals. Facilitated effective communication and project coordination to achieve seamless integration and deployment.

Aliens Group - Web Developer

Oct 2016 – Nov 2019

- Designed and developed responsive websites for property listings, making user-friendly interfaces and seamless navigation.
- Executed new social media strategies, amplifying brand presence and engagement, resulted 60% growth in impressions.
- Implemented database solutions to streamline property data management, assuring efficient retrieval and updating of listings.
- Developed data-driven SEO initiatives, increasing website traffic by 25% and enhancing
- Collaboration: Worked closely with the marketing team to align website design with branding strategies and promotional campaigns. Executed new social media strategies, resulted 60% growth in impressions.

EDUCATION

Bachelor of Technology – Sree Datta Engineering College, Hyderabad.

2011 - 2015

Higher Secondary School – Kakatiya College, Nizamabad.

2009 – 2011

PROJECTS

- **Deployed NodeJS Application on Kubernetes with CI/CD**

City of Hope (Health Care): As a key contributor to our DevOps team, I orchestrated the seamless integration of Node.js application within our development ecosystem. Utilizing Jenkins, automated the build, test, and deployment phases, ensuring swift and dependable releases. Leveraging Docker, containerized our Node.js applications, facilitating seamless deployment across our Kubernetes cluster, enhancing scalability and consistency. The integration of MongoDB bolstered our data management capabilities, while SonarQube and Trivy were seamlessly incorporated to uphold code quality and fortify security against vulnerabilities. This endeavor not only optimized our development workflows but also underscored our commitment to delivering resilient and secure Node.js solutions.

- **Kubernetes monitoring with Prometheus and Grafana**

ThredUp: The project focused on analyzing data using Prometheus and Grafana. By deploying Prometheus within our Kubernetes cluster, established a robust monitoring infrastructure capable of collecting and storing crucial metrics related to cluster health, resource utilization, and application performance. Leveraging Grafana's intuitive visualization capabilities, created insightful dashboards that provided real-time insights into our system's behavior and performance. This initiative empowered our team to proactively identify and address potential issues, ensuring optimal system reliability and performance.

SKILLS

Engineering practices:

AWS Cloud
CI/CD pipeline implementation
Infrastructure as Code
DevOps
Containerization and orchestration
Version control systems
Scripting languages
Monitoring and logging tools
Cloud Security

Technologies:

Git
Jenkins
Terraform
Jira
SonarQube
MongoDB
Prometheus & Grafana
Python
Docker
Kubernetes

AWS Services :

EC2
VPC
Amazon RDS
S3
EKS
IAM
AWS Lambda
Auto-Scaling
Elastic Beanstalk

CERTIFICATION

AWS Certified Solutions Architect
Amazon Web Services

Essentials of Cloud Computing
Infosys