

YASASVI MAHESWARAM

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PROFESSIONAL SUMMARY

As a Dedicated and results-driven DevOps engineer, I have accumulated three years of hands-on experience in automating and optimizing deployments across a vast infrastructure while streamlining IT operations. My proficiency with configuration management tools has allowed me to develop and maintain CI/CD pipelines seamlessly. Additionally, my expertise extends to various cloud platforms such as Amazon Web Services (AWS), as well as Azure; I am also highly proficient in utilizing various DevOps tools like Kubernetes, Docker, Ansible, and Terraform. Furthermore, I possess familiarity with an assortment of scripting and programming languages including Python, Bash, Shell. My extensive experience encompasses multiple Infrastructure roles involving Cloud Migration & Management alongside Server Monitoring & Support.

EDUCATION

NORTHUMBRIA UNIVERSITY

- Master's Degree, Engineering (MS).

JNTU HYDERABAD

- Bachelor's Degree, Mechanical Engineering (BE).

COMPETENCIES

Soft Skills: Active Learning, Positive attitude, Communication skills, Collaboration, Supportive, Flexible, resolve issues, Calm and adaptable, Management skills, Analytical skills, Attention to detail, Ability to collaborate, Enthusiasm, Time management skills, Professional communication skills, Approachable and collaborating, Troubleshooting.

Technical Skills:

Cloud Platform	Amazon Web Services (AWS), Azure.
Scripting languages	Python Bash, Shell.
CI/CD	Jenkins, GitHub, Azure pipelines.
Version Control System	Bit-bucket, GIT.
Container Technologies	Docker, Kubernetes.
Monitoring Tools	Azure Monitor, Cloud watch and formation, Grafana and Prometheus.
AWS ECS experience	EC2, EKS, S3, IAM, EBS, RDS.
Database technologies	SQL, MYSQL server, DynamoDB.
Infrastructure-as-code (Iac)	Terraform, Cloud Formation (AWS).

WORK EXPERIENCE

Pixel Dreams Private Limited

Jan 2022 - Feb 2024

Responsibilities:

- Successfully learned and implemented new cloud technologies and deployment strategies on a regular basis, resulting in improved service quality and increased efficiency in performing job responsibilities.
- Collaborated closely with cross-functional teams, including continuous improvement, continuous integration, mobile application development, operations, and quality assurance, to ensure seamless and efficient production environment.
- Took an active role in maintaining and enhancing Devops practices, streamlining build, deployment, and release processes through automation by maintaining protocol.
- Played a key role in QA testing of new releases and builds, demonstrating proficiency in creating and updating automated test scripts to ensure high-quality software.
- Pro-actively monitored virtual machines and resolved issues by mentoring in production systems, minimizing downtime by 40% and ensured optimal performance and collaborated in product management.
- Assisted in the management of cloud environments, ensuring proper configuration, and implementing best practices for platforms like AWS and Azure.
- Worked with customers to write documentation to streamline the deployment process and provide technical solutions across teams who are deploying the application on-premises.
- Developed and executed cybersecurity measures through periodic risk management and assessment of vulnerability.

SAT Software & Infrastructure pvt Ltd

Jan 2021 - December 2021

Responsibilities:

- Implemented CI/CD pipelines with Jenkins for infrastructure automation and proven expertise with Linux server administration.
- Maintained Docker files and Docker images to meet automation requirements.
- Contributed to the implementation of robust security measures, safeguarding the SaaS platform and valuable data.
- Actively participated in the development and maintenance of comprehensive documentation for DevOps processes and procedures, ensuring clear and accessible information for the team.
- Deployed applications using Kubernetes for production environments.
- Supported different environments like Prod, Dev, and Staging and also have experience with network communications.
- Built Cloud architecture for scalable solutions using AWS, Docker and Kubernetes.
- Set up and managed logging and monitoring systems using tools like ELK stack, Cloud formation and CloudWatch,
- Achieved smooth development, deployment, monitoring, networking solutions and maintenance of micro services infrastructure while ensuring high availability, scalability, security, and system performance.

SAT Software & Infrastructure pvt Ltd

Role - Devops Intern

Hyderabad, TS

July 2020 - December 2020

- Managed GIT and GitHub for version control and documentation.
- Configured Jenkins for automated build, test, and deployment.
- Utilized Kubernetes for container orchestration and scaling.
- Leveraged frameworks such as Ansible for server configuration and application deployment.
- Demonstrated Linux server administration skills for system management and security.
- Implementing CI/CD pipeline for all projects using GitHub and Jenkins by configuring virtual machines.
- Implement automation scripts using python and shell to meet the requirements.
- Setting up test infrastructure and maintenance.

LICENSES & CERTIFICATIONS

- **AWS Certified Cloud Practitioner**

Issued July 2023 · Expires July 2026

Show credential: [Link](#)

Skills: Micro services · Containerization Skills: Micro-services · Containerization.

- **AWS Cloud Quest: Cloud Practitioner**

Issued July 2023

Show credential: [Link](#)

Skills: Micro-services · Containerization · Identity and Access Management (IAM) · Cloud Computing · Amazon EC2 · Amazon S3 · Amazon Web Services (AWS) · Linux System Administration.

PROJECTS/LEARNINGS

- **Server Monitoring // Prometheus and Grafana using node exporter:**

Outcome:

In this project i have been able to successfully install and utilize applications such as Prometheus, Grafana and node exporter. Leveraging the power of Grafana, Prometheus, Node Exporter it allowed me to monitor my system and server in real-time.

Conclusion:

Prometheus Node Exporter is a great tool to export key performance indicators for your Linux Servers, Docker containers, Kubernetes clusters, etc. You can also use the Windows Exporter tool to expose the performance and other metrics of Windows Servers to Prometheus and then have all of these visualized in Grafana.

- **AWS Projects:**

Deployed and hosted a highly available Word Press application using services such as EC2, RDS, Route 53, ASG and VPC

- **AWS S3 event triggering:**

During this project, I observed throughout this project how real-time event notifications for object activities within S3 buckets may automate data processing and analysis. I also learned how it can be used to efficiently handle and analyse many types of data, including video files, visitor assessments, and travel reservations, to power customised suggestions and search functions.

- **Building a Basic Web Application Using AWS services:**

Built a basic web application using AWS services such as AWS Amplify, Amazon API Gateway, AWS Lambda, Amazon DynamoDB, and AWS Identity and Access Management (IAM).

In this project, I've created a simple web application. In which first I built a static web page of HTML that renders "The Power of Math!." Then I've added functionality to the Web-App so that when you input two numbers i.e. base and exponent it displays result on the custom input you provide.

custom input you provide.

References Available on Request