

SAIKUMAR THANGALLA

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SUMMARY

AWS Certified DevOps Engineer with 5+ years of experience in automating and deploying scalable cloud solutions across AWS, Azure, and Google Cloud platforms. Proficient in Docker, Kubernetes, Terraform, Jenkins, CI/CD pipelines, and Infrastructure as Code (IaC). Skilled in optimizing cloud environments using AI-driven tools to enhance performance, increase reliability, and streamline deployment workflows.

EDUCATION

Master of Science, Computer Science: *Northwest Missouri State University, **4.0 GPA.***

Aug 2023 - Dec 2024

Bachelor of Technology, Electrical and Electronics Engineering: *Siddharth Institute of Engineering and Technology*

July 2014 - Jun 2017

EXPERIENCE

Northwest Missouri State University, Graduate Assistant

May 2024 – Dec 2024

- Collaborated with a professor on a MERN stack research project and .NET Application setting up front and back end with DevOps practices using cloud resources.
- Assisted in developing a cutting-edge application to streamline processes and enhance user experience.
- Implemented innovative solutions with the help of AI to optimize performance and observabilities of the application.

Tata Consulting Services, DevOps Engineer

Dec 2021 – Aug 2023

- Developed automated deployment processes and scripts for Jenkins So that's reduced the application **deployment time by 40% and 100% success rate** automated deployment processes.
- Increased resource utilization by 40% through effective configuration management with **Ansible Playbooks**.
- Deployed **microservices** on Kubernetes cluster to increase scalability and availability of services, across multiple regions in the cloud environment. Improved system uptime by 40% with **Kubernetes deployment** across various regions by EKS clusters in AWS.
- Utilized Infrastructure as code (IAC)**Terraform** to provision and manage AWS resources, reducing the deployment time by 40% and improving consistency across environments.
- Improved operational efficiency by 25% with a suite of **Python and shell scripts** for infrastructure management.

Paytm E-Commerce Pvt ltd, Cloud DevOps Engineer

Aug 2018 – Dec 2021

- Effective use of AWS infrastructure by implementing AWS resources like EC2, S3, IAM, VPC services. This results in a 25% improvement in resource utilization through auto-scaling and **20% cost savings** in cloud infrastructure spend.
- Implemented Terraform modules to standardize and automate AWS resource creation, resulting in a 30% reduction in configuration errors and a **25% increase in deployment speed**.
- Implemented continuous integration using **GitHub Actions** resulting in Reduced manual configuration errors by 50% through automated server provisioning and API-driven Infrastructure Management.
- Engineered robust **microservices** architecture using Java and **Spring Boot, Spring Data, and Spring Security**, resulting in a 40% reduction in system response time and a 50% increase in concurrent user capacity.
- Performed troubleshooting of post-release software faults to support live services and installed **software patches**.

SKILLS

Languages: Java, Golang, Spring Boot, C#, HTML, CSS,

Bootstrap, RESTful API.

Scripting: Python, Shell, Groovy.

Databases: Oracle, My SQL, MongoDB.

DevOps Tools: Git, Maven, Ansible, Docker, Kubernetes,

Jenkins, GitHub Actions, Terraform, Datadog, Grafana,

Kafka, ELK Stack, Prometheus, Loki, SonarQube

Cloud: AWS, MS Azure, Google Cloud Computing

PROJECTS:

Smart Inventory System Application:

- Developed a warehouse inventory app that helps users to store, arrange, and deliver goods.
- Tools Used: React, JAVA, Spring Boot, MySQL, Docker, GitHub Actions, K8s and used IAC(Terraform), AWS resources for deployment.

Android Marketplace App:

- Developed a simple marketplace app using Android Studio and Java.
- Tools Used: Android Studio S/W and JAVA programming language and Firebase Database.

CERTIFICATIONS:

AWS Solutions Architect.

SQL Certification.