

Madhu CM

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SUMMARY

Aspiring **Cloud & DevOps Engineer** with a focus on AWS, skilled in designing, deploying, and managing secure, scalable cloud solutions. Proficient in core AWS services (EC2, S3, RDS, IAM, VPC,) and hands-on with DevOps tools like Docker, Jenkins, Kubernetes, Terraform, and. foundation knowledge in Red Hat Linux, networking fundamentals, and version control. Passionate about continuous learning and cloud innovation.

EDUCATION

Bachelor of Computer Applications | CGPA: 7.7/10 | Oct. 2021 – Aug. 2024
Government First Grade College | Tumkur. Karnataka

PCMB – Biology | CGPA: 6.9/10 | Jun. 2019 – Apr. 2021
Government Junior college for boys | Tumkur, Karnataka

SKILLS

Cloud Computing: AWS (EC2, S3, RDS, VPC, IAM, ELB, Auto Scaling,)

Infrastructure as Code & Orchestration: Terraform, Kubernetes

CI/CD & Automation: Jenkins, Git, GitHub

Containerization: Docker

Web Development: HTML, CSS

Linux: Red Hat Enterprise Linux

Tools: Git & GitHub, VS Code

PROJECTS

E-COMMERCE DEVOPS Implementation (www.devopsbymadhu.online)

- Implemented DevOps practices such as containerization, Container orchestration, Infrastructure as Code and CI/CD for a demo E-commerce Project
- Experience implementing DevOps practices on multi micro service architected applications
- knowledge on Infrastructure as Code using Terraform.Implemented an EKS cluster creation with in VPC using Terraform modules
- Implemented CI/CD for a Java based microservice using GitHub Actions and Argo CD to achieve a single touch end to end automation
- Good Understanding of AWS cloud and experience using AWS networking concepts like VPC and Load balancers
- Exposing the Frontend securely to the external users by mapping the Route 53 DNS nameservers with the Domain provider

Book-Store Web Application (Cloud Hosted)

- Designed and deployed a full-stack TODO web application with a focus on scalability, high availability, and secure infrastructure using AWS
- Created a custom Virtual Private Cloud (VPC) with public and private subnets to ensure network isolation and security
- Launched EC2 instances within an Auto Scaling Group behind an Elastic Load Balancer (ELB) to handle traffic distribution and ensure high availability
- Configured Amazon RDS to host the application database with Multi-AZ deployment for reliability and fault tolerance

CERTIFICATES

Tech Essentials & Web Essentials (Offline Course) – Completed at [Ethnus Codemithra] | Dec 2024 - [Link](#)