KOMALA T C

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OBJECTIVE

I will always be greed of knowledge and passionate about learning new technologies and looking for a opportunity to work in a creative work environment to give best of myself to achieve greater things.

PROFILE & VALUE

- An astute & result-oriented professional with 5 months of experience in System Engineering, DevOps, Web Development
- Good Knowledge in automation, CI/CD pipelines, cloud infrastructure, and system optimization
- Hands on experience in Configuration, Administration of Jenkins for continuous integration, Docker and Docker Swarm containerization
- Adept in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), Auto scaling groups and VPC
- Strong ability in managing all aspects of the software configuration management process including code compilation, packaging /deployment /release methodology and application configurations
- Deft in collaborating across teams, setting technical standards, and driving innovation to deliver high-impact solutions

EDUCATION

Masters	BANGALORE INSTITUTE OF TECHNOLOGY, 2022, 83.04% **Master of Computer Applications in Computer Science**

CAREER PROGRESSION

Infosys

System Engineer Trainee   *Oct 2024 – Feb 2025*

- Experience in coding languages such as Java, Data Structures and Database as HSQL
- Designed and optimized backend systems using Java (OOP principles) and HSQL (DBMS)
- Applied data structures and algorithms to improve system performance and efficiency
- Managed database operations to ensure seamless data storage and retrieval
- Implemented data structures and algorithms to enhance system performance

PROJECTS

Project: Java Web Application
Environment: GitHub, Maven, SonarQube, Tomcat, Jenkins, Docker, Kubernetes, AWS, Prometheus, Grafana
Description:
I have created EC2 instance and installed few required tools for the application and took code from GitHub, build and deploy code using Jenkins for continuous Integration and deployment into Tomcat Server and to test the code quality used SonarQube tool and for containerization used Docker.
Responsibilities:

- Responsible for managing the code in Git, maintain Source Control branches, in GitHub
- Good knowledge and hands on experience in Git and GitHub

- Used the continuous integration tool Jenkins to automate the build and deployment Processes
- Design, develop and maintain Build and Release management processes and tools
- Preparing build environments for web-based application and competent in application troubleshooting
- Developing and maintaining build, deploy scripts for the application
- Creating tag, branch and setting up projects and build plans in CI tool(Jenkins)
- Used Jenkins for Continuous Integration and deployment into Tomcat Application Server
- Used SonarQube to test the code quality
- Containerizing applications with docker , responsible for managing the docker registry
- Responsible for creating EKS cluster and Deploying Applications as a pods in Kubernetes cluster
- Writing of Manifest files for Kubernetes Resources such as Service, Replication controller, Replica Set, Deployment, Stateful Set, Persistent Volume, persistent Volume Claim, ConfigMap, Secrets, Resource Quota, Limit Range
- Used Aws Cloud platform which includes EC2,EKS,ELB AND S3

TECHNICAL SKILLS

- **Programming Languages:** Java
- **Web Technologies:** HTML, CSS, JavaScript
- **Database Management:** HSQL, MySQL, SQL
- **Operating Systems:** Linux, Windows
- **Version Control Tool:** GitHub
- **Build Tool:** Maven
- **Continuous Code Scanner:** SonarQube
- **Application Server:** Apache Tomcat
- **Artifact Repository:** Nexus
- **Continuous Integration Tool:** Jenkins
- **Containerization Tool:** Docker
- **Container Orchestration Tool:** Kubernetes, Docker Swarm
- **Cloud Services:** AWS
- **Scripting Languages:** Shell Script