

## Objective

Secure a responsible career opportunity to fully utilize my training and skills, while making a significant contribution to the success of the company.

## Profile Summary

- ❖ Having knowledge of the Linux operating system & linux commands
- ❖ good skills in applying DevOps Continuous Deployment and Continuous Delivery processes & tools [ Ex: **Git, AWS Jenkins, Ansible, Docker etc...**]
- ❖ Knowledge on branching, tagging and maintaining the versions across the environments working on Software Configuration Management (SCM) tools like **GIT**,
- ❖ Administering GIT and creating **branches**, resolving **merge conflicts**, reviewing **pull requests**.
- ❖ Hands on experience in **Maven** build tool for compiling and packaging the artifacts.
- ❖ Having good exposure in CI tools like **Jenkins**.
- ❖ Expertise on Installation and Configuration of Continuous Integration tool **Jenkins**.
- ❖ Configuring Jenkins job with related Plugins for Building, Testing and Continuous Deployment to accomplish the complete **CI/CD**.
- ❖ Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds.
- ❖ Hands on experience in integrating **GIT, Maven**
- ❖ Experience in configuring and updating the servers using configuration management tools like **Ansible** and Experience in Containerization tool like **Docker**.
- ❖ Performed infra automation tasks using Configuration management software like Ansible.
- ❖ Written **YAML** playbooks, roles in Ansible and Integrated with Jenkins.
- ❖ Having knowledge on container based deployments using **Docker**, working with **Docker images, Docker Containers, Docker files**
- ❖ Knowledge on writing **Kubernetes** service and deployment files.
- ❖ Skills in cloud infrastructure of **AWS** (Amazon Web Services) like **EC2, IAM, S3, VPC, ELB**.
- ❖ Knowledge on web servers like **Apache** and application servers like **Tomcat** to deploy code.
- ❖ Good understanding of the principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
- ❖ Knowledge on Redmine ticketing tool

## Skill Sets

|                                       |                                          |
|---------------------------------------|------------------------------------------|
| <b>Operating Systems</b>              | Linux and Windows.                       |
| <b>Version Control Tools</b>          | Git, Github                              |
| <b>Build Management Tools</b>         | Maven                                    |
| <b>Scripting Languages</b>            | Bash                                     |
| <b>Continuous Integration Tools</b>   | Jenkins, codepipeline, codebuild         |
| <b>Infrastructure as code</b>         | Terraform                                |
| <b>Web Servers</b>                    | Apache Tomcat, nginx                     |
| <b>Monitoring Tools</b>               | Grafana, Prometheus, Cloudwatch, Netdata |
| <b>Configuration Management Tools</b> | Ansible                                  |
| <b>Cloud Services</b>                 | AWS(Amazon web services)                 |
| <b>Containerization platform</b>      | Docker                                   |
| <b>Issue Tracking Tool</b>            | Redmine                                  |

## Education Qualification:

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- Completed my bachelor of engineering from CMR college of engineering and technology with 69% aggregate

## Professional Experience

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### D2K Technologies

11/2024 – Present

**PROJECT / CLIENT:** ENBD, NABAD, BOM

**Domain:** Banking

**Role:** SRE Intern

**Duration:** November 2024 to Present:

- Monitored and maintained infrastructure reliability by setting up and configuring monitoring tools such as Grafana, Prometheus, Netdata and AWS CloudWatch to ensure 99.9% uptime.
- Assisted in deploying and managing cloud infrastructure using Infrastructure as Code (IaC) tools like Terraform, ensuring scalable and consistent deployments.
- Automated routine tasks and deployment pipelines using Jenkins, GitHub Actions, and AWS CodePipeline, reducing deployment time by 40%.
- Collaborated with development and operations teams to improve deployment processes and infrastructure scalability.
- Configured and managed cloud services like EC2, S3, and VPC on AWS to ensure smooth application deployment and availability.
- Assisted in setting up and managing Docker containers
- Wrote and maintained YAML configuration files for Jenkins pipelines and Docker Compose setups.
- Implemented security measures by managing IAM roles, access policies, and infrastructure compliance.
- Installed and configured Netdata monitoring tool for real-time infrastructure monitoring and performance insights.
- Serverless Framework configurations to automate creation of EMR cluster using AWS Lambda
- Contributed to documentation of deployment processes, incident resolution, and infrastructure configurations for better knowledge sharing.
- Supported infrastructure cost optimization by monitoring and managing cloud resources to minimize unnecessary expenditures.
- Assisted in creating and maintaining weekly snapshot reports of infrastructure performance, cost, and availability for stakeholders.

### Kani Solutions

06/2023 – 10/2024

**PROJECT / CLIENT:** In-House

**Domain:** LMS

**Role:** DevOps Engineer Intern

**Duration:** June 2023 to Oct 2023:

- Deployed and managed Java Spring and Spring Boot applications on AWS Elastic Beanstalk, leveraging its scalability and ease of deployment.
- Utilized load balancers to optimize system performance, managing incoming traffic efficiently, and reducing latency, resulting in a more responsive and robust application.
- Proficient in managing the entire lifecycle of SSL/TLS certificates using AWS ACM, including provisioning, renewal, and revocation, ensuring uninterrupted secure communication for applications and services.
- experience integrating AWS ACM with various AWS services such as Elastic Load Balancing (ELB), Amazon CloudFront, and Amazon API Gateway to enforce SSL/TLS encryption and enhance security posture across cloud infrastructure.
- Experience using CI/CD using AWS CodePipeline and CodeBuild, showcasing its feasibility and benefits for deployment to S3.

- Leveraged AWS CloudFront, a global content delivery network (CDN), to accelerate content delivery and enhance the performance of Angular applications hosted on Amazon S3, ensuring low latency and high throughput for end users.
- Configured and managed AWS CodePipeline to automate the CI/CD workflow for Angular applications, with GitHub as the source repository, AWS CodeBuild for building, and deployment to Amazon S3 for hosting.
- Successfully deployed multiple Angular applications to AWS S3, ensuring efficient hosting, scalability, and high availability.
- Managing and administering RDS instances running PostgreSQL, ensuring high availability, performance tuning, and scalability.
- Designed and implemented reusable Ansible playbooks to automate infrastructure provisioning, configuration management, and application deployment.
- Designed and managed infrastructure as code (IaC) using Terraform for cloud platforms (AWS, Azure, GCP etc.) and on-premises deployments.
- Created reusable Terraform modules to encapsulate infrastructure components and promote code reusability.
- Implemented state management with Terraform to ensure infrastructure configurations are consistent and auditable.
- Utilized Terraform workspaces to manage infrastructure for different environments.

### **Declaration**

I hereby declare that the above information is correct up to my knowledge and I bear the responsibility for the correctness of the above mentioned particulars

Date:

J.chaitanya teja