PRAVEEN CHINTHALA

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CAREER OBJECTIVE

Enthusiastic and detail-oriented computer science graduate seeking an entry-level DevOps position. Eager to leverage strong technical skills in cloud computing, automation, and collaboration to enhance operational efficiency and contribute to innovative projects.

TECHNICAL SKILLS

Operating System: Linux , Windows, Cloud: Aws , Source code Management Tools: GIT, GitHub, BitBucket Scripting Languages : Bash , Application/Web Servers: Nginx, Apache, Tomcat, Build Tools: Maven,Programming Language: Python, Infrastructure as a code (IAAC) tool: Terraform, Configuration Management Tools: Ansible, CI/CD tools: Jenkins, Containerization: Docker. Kubernetes, Monitoring: Prometheus & Grafana, Artifactory service: Nexus, Code Quality Service: Sonarqube

AWS SERVICES

Elastic Compute Cloud , Simple Storage Service(s3) , Identify and Access Management , Elastic Load Balancer , Elastic Beanstalk , Auto Scaling Groups , Elastic Block Storage ,Virtual Private Cloud ,Amazon Machine Images , Simple Notification Service , AWS Code pipeline , Relational Database Service ,Cloud watch ,Route53 ,Lambda, cloudformation

EDUCATION QUALIFICATIONS

Marri Laxman Reddy Institute of Technology and Management   Hyderabad
B. Tech Computer Science *GPA: 8.50*   NOV 2020 - MAY 2024

Nagarjuna Junior College   Tiruvuru
Intermediate MPC *GPA: 8.5*   JUNE 2016 - MAY 2018

Nagarjuna merit high school   Tiruvuru
SSC *GPA: 8.5*   JUNE 2015 - APRIL 2016

PROJECTS

End-to-End Dockerized Application Deployment with CI/CD(continuous integration and deployment) and Kubernetes

Tools: Git, GitHub, Jenkins, SonarQube, Trivy, OWASP, Docker, Kubernetes, Argo CD, Prometheus, Grafana

- Retrieved code from GitHub to the CI server and scanned the code using SonarQube.
- Installed dependencies using npm and checked for vulnerabilities with OWASP tools.
- Wrote a Dockerfile and built the Docker image.
- Scanned the Docker image with Trivy and pushed it to Docker Hub.
- Deployed the application on a Kubernetes cluster using Argo CD.
- Monitored the infrastructure and services using Prometheus and Grafana.

Deploying a 3-Tier Application on Kubernetes
Tools: Git, GitHub, Docker, Kubernetes.

- Created an EC2 instance and installed Git to clone the code from GitHub.
- Installed Docker and built Docker images for both the frontend and MySQL database.
- Pushed Docker images to Docker Hub for deployment.
- Set up a KOPS cluster with one master and two worker nodes.
- Created a deployment for the frontend application and for the database.
- Established services for both the frontend (NodePort) and the database.
- Accessed the application using the public IP of the EC2 instance with the specified port number

Deployment of 3-Tier Application on AWS Cloud

- **Objective**: Implemented a scalable and secure 3-tier application architecture on AWS, incorporating web, application, and database layers.
  - o **Infrastructure Design**: Configured an AWS VPC networking with public and private subnets, setting up routing tables for network isolation and security.
  - o **Bastion Host Access**: Deployed a bastion host in the public subnet to securely access private EC2 instances.
  - o **Application Setup**: Installed and configured Apache, PHP, and MySQL on EC2 instances, linked PHP scripts to a MySQL RDS database for backend operations.
  - o **Load Balancing and Auto Scaling**: Set up an Elastic Load Balancer (ELB) in multiple Availability Zones, created a target group, and established an Auto Scaling Group with a custom AMI for dynamic scaling.
  - o **Testing and Validation**: Conducted end-to-end testing to ensure smooth data flow between application and database, confirming reliable data persistence and troubleshooting ,scalability.
- **Tools and Technologies**: AWS (EC2, VPC, RDS, ELB, Auto Scaling), Apache, MySQL, PHP, SSH, Linux CLI.

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STRENGTHS

- Strong analytical skills and problem-solving abilities, with a focus on troubleshooting complex technical issues
- Proficient in providing engineering recommendations and implementing communication best practices to improve collaboration and project outcomes
- Skilled in applying DevOps best practices, ensuring smooth operation and efficiency in cloud-based and containerized environments
- Hardworking, self-motivated, and adaptable, with a commitment to continuous learning and professional growth

PERSONAL PROFILE

Name	: PRAVEEN CHINTHALA
Father Name	: VENKATA KRSIHNAIAH
Date of Birth	: 02-08-2001
Gender	: MALE
Nationality	: Indian
Marital Status	: Single
Languages Known	: English, Hindi and Telugu.
Linkedin	: www.linkedin.com/in/praveen-chinthala28
GitHub	:https://github.com/Praveenchoudary

Declaration

I hereby declare that the above information is true to the best of my knowledge and belief and request to give me an opportunity to serve in your esteemed organization.

Name

Place