CHALAMA REDDY VENNA
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EDUCATION

Masters in Computer and Information Sciences | WESTERN ILLINOIS UNIVERSITY   **AUG 2022 - MAY 2024**

Bachelor of Technology in Computer Science | VIGNAN'S UNIVERSITY (VFSTR)   **AUG 2018 – MAY 2022**

Course Work: Data structures and Algorithms, Advance Operating Systems, Computer Graphics, Advance Artificial Intelligence, Advance Computer Networks, Linux Operating System , Python Programming , Data Mining Techniques , Computer Graphics, Software Engineering, Database, Computer Networks, Artificial Intelligence, Computer Architecture, Operating Systems.

Professional Summary:

- Over 3 years of experience in Cloud Computing and DevOps.
- Specialized in AWS and Azure with proficiency in CI/CD principles, cloud infrastructure, and Linux/Windows distributions.
- Skills in Docker, Kubernetes, Jenkins, Git, Ansible, Terraform, and CloudFormation.
- Expertise in scripting languages: Shell, Python, Bash, Ruby, PowerShell.
- Experience in monitoring tools such as Nagios, CloudWatch, and Datadog.
- Hands-on with log management using Elasticsearch, Logstash, Kibana.
- Strong background in web development using JSP, HTML, CSS, JavaScript.
- Familiar with server management (Apache, Tomcat, Nginx).
- Versatile in operating systems: Linux (RedHat, CentOS, SUSE, Ubuntu), Windows.
- Previous work with NoSQL databases (Cassandra, MongoDB).
- Certified AWS Solutions Architect Associate.

PROFESSIONAL EXPERIENCE:

Client: Cassendro Software Solutions pvt ltd , Hyderabad , India   **April 2020 - May 2023**

Role: DevOps/Cloud Engineer

Responsibilities:

- Managed AWS S3 services, configuring buckets, permissions, and implementing lifecycle policies.
- Implemented DNS health checks using Amazon Route 53 for efficient traffic routing.
- Developed Python Lambda functions for data transformations and analytics on EMR clusters.
- Orchestrated containerized applications on AWS using ECS and Kubernetes.
- Automated infrastructure with Terraform, including RDS instances, VPCs, and more.
- Established microservices architecture with Docker and Kubernetes clusters.
- Implemented CI/CD pipelines using Jenkins for end-to-end automation.
- Coordinated PostgreSQL database administration, including automated backups from AWS RDS.
- Managed DNS servers, DHCP servers, and DNS clients.
- Developed J2EE components, including Java Beans, JSP, Servlets, JDBC, and deployed in Tomcat.

Environment: AWS, Kubernetes, Docker, Terraform, Cloud Formation, Git, Bitbucket, Maven, Jenkins, SonarQube, Ansible, Nexus, Splunk, ELK, Prometheus, Grafana, Tomcat, JIRA, Shell, Python, YAML, Groovy, NoSQL, Java, Linux

Technical Skills

- **Operating Systems**: Ubuntu, Red Hat, Centos, Windows, Mac OS
- **Cloud Platforms**: AWS, Azure
- **Version control Tools**: Subversion (SVN), GIT, GIT Hub, Bit bucket, CVS
- **Containerization tools**: Docker, Kubernetes
- **Configuration Management Tools**: Ansible, Chef, Puppet
- **Automation & Build Tools**: Jenkins, Hudson, Bamboo, Ant, Maven, Gradle, MS Build
- **Monitoring Tools & Repositories**: Cloud Watch, ELK, Datadog, Grafana, Nexus, Artifactory, Jfrog
- **Application servers & Bug Tracking**: Apache httpd, Tomcat, JBOSS, Web Logic, WebSphere, Nginx, JIRA, Bugzilla,
- **Virtualization Tools**: VMware, Virtual Box, Vagrant
- **Scripting Languages & SDLC**: Shell, Python, Ruby, Bash, YAML, Groovy, Perl, JSON, Agile Scrum, Waterfall
- **Networking Protocols**: TCP/IP, UDP, DNS, NFS, LDAP, SSH, SSL, SFTP, SMTP

Projects:

CI/CD for Microservices on Kubernetes: Automated end-to-end deployment pipeline for microservices on Kubernetes, ensuring scalability and resilience.

Skills: CI/CD, Kubernetes, Docker, Git, Helm, Monitoring.

Multi-Cloud IaC with Security Automation: Orchestrated secure infrastructure deployment across AWS and Azure using Terraform and Ansible, emphasizing compliance and disaster recovery.

Skills: IaC, Terraform, AWS, Azure, Ansible, Security, Disaster Recovery.