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Description automatically generated 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.