

DINESH REDDY SANIKOMMU

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Education

University of Houston, Houston

August 2021 – May 2023

Master of Science in Computer and Systems Engineering

Houston, TX

Courses: Cloud Computing, Data Science, DBMS, Networking, Computer Architecture.

Sathyabama University, Chennai India

July 2013 – May 2017

Bachelor of Engineering in Electronics and Telecommunication Engineering

Houston, TX

Courses: Digital Signal Processing, Operating systems, Programming 101, Hardware Design.

Experience

University of Houston Law College

August 2021 – Present

Infrastructure Engineer

Houston, TX

- **Resolved** 40 tickets a week concerning VPN, Network Drivers, Printer & **queries** of users using **Zendesk** software.
- Handled the **deployment** of Clickshare, Zoom, Media site, Screen Connect and other **applications** at UHLC.

Purchasing Power LLC

July 2020 – July 2021

Database Administrator

Chennai, Tamil nadu

- **Reduced** restoration **time** by 10 % to refresh Lower environments such as Stage, QA, and Development.
- **Implemented** Transparent Data Encryption and Data Masking to **secure** databases tables across the environments.

OneGlobe Systems LLP

Nov 2017 – July 2020

Associate Consultant

Chennai, Tamil nadu

- Implemented the architecture required for Oracle Cloud and AWS Cloud Services using Orchestration services.
- Automated the Deployment of war files across various Applications using Jenkins thereby saving production time.

Projects

Cloud Architecture Design Automation | *AWS - EC2, VPC Oracle - Compute, VCN, Terraform, Ansible.*

- **Implemented** AWS and Oracle cloud **architectures** using Terraform for compute and network components.
- Automated the **Scheduling** of compute resources using Ansible across the cloud **platforms**.
- **Implemented** Jenkins jobs to create cloud Infrastructure from GitHub repositories containing **Terraform** code.
- Created on-premises active directory **authentication** using automation with Ansible.
- Used **Cron** to schedule a program to execute automatically at 11 AM every morning so a **reservation** is made for me.

On-premise to Cloud Migration | *AWS - DMS, RDS, Oracle - Compute, Cloud Manager.*

- Migrated databases like **Oracle**, MySQL from on premise to AWS RDS using **SCT** and **DMS** Tools.
- Transformed & **moved data** in and out of AWS RDS, AWS S3 and DynamoDB using **Elastic Map Reduce**.
- Migrated Oracle EBS R12.2.6 from **on-premise** to Oracle Cloud with **Cloud Manager** and upgraded to R12.2.7.

Automating the Deployments | *Jenkins, GitHub, AWS- S3*

- Setting up **databases** in AWS using **S3** bucket and configuring instance **backups** to S3 bucket.
- Integrated **GIT** with Jenkins to **automate** the code check-out process with the help of **Jenkins** DSL Plugin.
- Implemented **object-oriented** programming using **inheritance** to create different account types and **databases**.

Oracle Application VM Migration | *Oracle EBS R12, Oracle Database 11g, RHEL 7.*

- Backed up **EBS Application** with RMAN, rapid clone utilities using **Ansible** there by **reducing** the 30% of **time**
- Performed the **restoration** of database with **zero data loss** in the stipulated time.
- Performed **Maintenance** tasks using ad-utility tools like ad-admin, ad-patch, auto-config, ad-ctrl, ad-relink & ad-clone.

Foot Provocation System | *GCP, Java, Raspberry Pi.*

- **Designed** and Integrated Raspberry Pi using **APIs** in Google cloud to monitor patients with **Parkinson's disease**
- Developed a **foot provocation** system that integrates mobile application using **Java** to obtain real time **analysis**.

Technical Skills

Programming Languages: Python, Java, SQL.

Platforms: AWS, Oracle, Linux, Windows.

Database: Microsoft SQL, Oracle.

Tools: Terraform, Jenkins, Ansible, Docker, Git, Grafana, Cloud Watch.

CERTIFICATION

- AWS Cloud Practitioner.
- OCI Foundations Certified Associate.
- Terraform Certified Associate.