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Amulya

Koppanadam

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CLOUD ENGINEER

**LANGUAGES**

**TELUGU** - native language

**ENGLISH** - speaking, reading

**HINDI** - speaking, reading

**MY SKILLS**

* Azure
* Azure DevOps
* Terraform
* Azure CLI
* Windows, Linux

A skilled IT Professional and a certified solution architect with cloud migration experience with Azure DevOps. Has scripting knowledge on implementing solutions using Terraform. Has excellent analytical and problem-solving skills and has a strong ability not only to perform overall application landscape assessment but also drive the migrations. Has a bachelor’s Degree in Information Technology and has overall 4.5 years of experience in Microsoft Azure, Azure DevOps , Automation Testing.

**PROFESSIONAL EXPERIENCE**

**Consultant I - Neudesic**

**Work experience (Present)**

Role : Azure Cloud & DevOps Engineer

Duration : Present

**Associate Consultant - Capgemini**

**Work experience (Oct 2016 – Feb 2021)**

**Project #1:**

Title : ABN AMRO

Role : Azure Cloud & DevOps Engineer

Duration : Mar 2019-Feb 2021

**Roles and Responsibilities:**

* Involved in the process of hosting/deploying the entire application in to Microsoft Azure Cloud.
* Working with Microsoft Azure Cloud Services and deploying the Infrastructure using Terraform and Az-cli
* Creating source and target architecture for migrating the application to Azure
* Hosting the application in Linux and Windows server in Azure

DevOps pipeline.

* Configuring CI/CD pipelines for application and Infrastructure.
* Deploying automation script using Azure CLI.
* Deploy and manage the Azure Services like Virtual Machines, Web Apps, Storage, Azure Active Directory, Virtual Networks, Azure CDN & Key vault.
* Configuring storage account access, diagnostics & monitoring.

CX

* Installing and configuring IIS and creation of sites

**PROFILE**

**CERTIFICATIONS**

AZ-400 Microsoft DevOps Solutions

AZ-300 Microsoft Architect Solution

AZ-900 Azure Fundamentals

ITIL v4 Internal Certification

* Hosting the application in web app services through DevOps pipelines
* Configuring CI/CD pipeline for application and Infrastructure.
* Cloning the repository from local GIT to azure repos
* Creating CI/CD pipeline to integrate code into shared repository and integrating test plans
* Creating CD pipeline to deploy application into

Virtual machines - Windows server (IIS module) / Linux (creating service connection- SSH and copying the files to var file) using tasks

App services – Azure app service deploy / using arm template and providing the app service name in ARM template deployment module.

* Including 4 eyes principles like providing approves in the pipeline
* Integrating Azure pipelines with SonarCloud for code quality analysis.

**Senior Software Engineer**

**Project #2:**

Title : International Card Services (ABN AMRO card supplier)

Role : Automation Engineer

Duration : Jan 2018 – Feb 2019

**Roles and Responsibilities:**

* Worked as a productive and positive team member to design, code, test, report and debug operation.
* Part of Agile / scrum team. Involved in refinement, planning, retro.
* Coordinated User acceptance testing (UAT) with business users.
* Building Selenium TestNG framework using Java for Mendix Components.
* Involved in AS400 testing and Mainframes for detail entry.
* Involved in SoapUI testing.
* Assist in proactively avoiding any intermittent software functionality problems, and assist with scheduled delivery of systems to the user community’s

**Software Engineer**

**Project #3:**

Title : Australia and New Zealand Bank (ANZ)

Role : QA Engineer

Duration : Oct 2016 – Dec 2017

**Roles and Responsibilities:**

* Actively participated in system, integration, regression, non-functional testing for every new build release.
* Implemented recommendations to improve the automated testing process in an integration environment.
* Create framework, automate scripts and test end to end web and mobile applications using Selenium Cucumber BDD (customer journey), protractor.
* Assist in proactively avoiding any intermittent software functionality problems, and assist with scheduled delivery of systems to the user communities.
* Identify areas for process improvements to increase the quality and efficiency of all testing related activities.
* Assisted with the transition to Agile testing by coordinating with key personnel from several offices.
* Maintained test goals and results in JIRA.
* Ensuring test deliverables meet all deadlines.
* Create framework, automate scripts and test end to end web and mobile applications using Selenium Cucumber BDD (customer journey), protractor
* Assist in proactively avoiding any intermittent software functionality problems, and assist with scheduled delivery of systems to the user communities.
* Identify areas for process improvements to increase the quality and efficiency of all testing related activities.
* Assisted with the transition to Agile testing by coordinating with key personnel from several offices
* Maintained test goals and results in JIRA
* Ensuring test deliverables meet all deadlines.

**TECHNICAL EXPERTISE**

* Architected & implemented application migrations to

Azure cloud from highly distributed environments

* Expertise in analyzing current state infrastructure to identify

technical gaps and recommend consistent & reliable cloud

architectures on Azure

* Identify the processes gaps, iron out dependencies and

define a streamlined process to migrate applications to cloud

* Create architectural design documents, migration & project plans

for migration to cloud.

* Demonstrate the proposed architecture in client review calls and

 get the sign-off from various stakeholders

* Collaborate and communicate with various internal and external

teams to perform the migration

* Estimate effort required for Modernizing and migration of applications/infrastructure on to cloud environments.
* Good knowledge on key services based on IaaS & PaaS

offerings of Azure

* Configuring and Managing Azure virtual networks, subnets and implementing network readme file with all NSG rules, ports for Migration
* Understanding on Load Balancer, Application Gateway,

Traffic Manager, Front door, Network Security Groups and availability set

* Good understanding of storage concepts. Experience in

designing and implementing Azure storage like blobs, tables and queues

Hands on experience in deploying virtual machines on Windows, Linux

* Configuring and managing Site to Site, Point to Site VPN and express route
* Ability to handle Cloud Migration using Azure Site Recovery
* Configuring Alerts and Monitoring the Infrastructure on Azure
* Understanding on Service endpoints, private endpoint and private link service
* Capturing VM image and creating a new VM from the captured image
* Good knowledge in setting up end-to-end DevOps pipeline (both build & release) on Azure DevOps
* Good knowledge on Key vault, Azure Monitoring, Log Analytics, Azure Migration tools
* Migrated on-premises applications (like PHP) to Azure Linux VM with

RHEL image and establishing connection to Azure MySQL Server

& implemented integration with Azure Key Vault, App Insights

* Good knowledge in creating Terraform templates for deployment of resources
* Does have good knowledge on distributed version control systems

like git & git hub

* Does have knowledge on Red hat Linux administration and concepts.

Experience in deploying the Azure Linux VM to RHEL

* Good Knowledge on setting up planning, process, services,

documentation and tools around cloud

* Does have proficiency around defining Migration strategy to move applications to cloud using Migration tools.
* Implemented POCs for client proposed solutions for cloud migrations
* Does have knowledge in handling tasks related to Windows Linux
* Self-motivated and hardworking professional with good technical, communication, social and leadership skills
* Good understanding of customer requirements and exposure in

designing the architecture and security

* Self-motivated and hardworking professional with good technical, communication, social and leadership skills
* Good knowledge in creating Infra for Azure resources using Azure CLI.

**EDUCATION**

* B.Tech
* Year of Passing: **2016**
* University Name: **Jawaharlal Nehru Technological University**