

M Ravi Sankar

Azure Cloud & Azure DevOps Engineer

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Possess over 11 years of IT experience in Azure DevOps, Azure Cloud Administration, and experience in IAAS & PAAS services. Proven ability to successfully analyse organizations cloud migration, managing Azure ARM portal, effectively use ARM templates (IAC) & PowerShell to manage Azure services, troubleshooting access related issues of Azure services.

CAREER HIGHLIGHTS :

- Having 11+ years of IT Experience in Relevant 5+ years on Azure Cloud & Azure DevOps and 6 years on Manual & Automaton Testing
- Responsible for managing CI/CD pipelines in Azure DevOps
- Handle Git hub branch management & implement CI/CD pipelines
- Application infrastructure provisioning using Azure DevOps pipelines
- Set up CI pipelines with code quality tools(SonarQube), integrate test suites
- Monitor nightly builds and help Dev team if any pipelines failed
- Debug and trouble shoot nugget package issues
- Takes care of debug & troubleshoot PowerShell scripts in pipelines
- Responsible to write PowerShell scripts for small tasks and integrate in pipelines
- Helps Dev/QA teams to schedule nightly deployments using Azure DevOps pipelines
- Responsible for providing access to source code repositories (TFS/GIT)
- Good experience in creation and management of Azure IAAS services
- Having Good Hands-on both Linux and windows.
- Extensive knowledge in Azure VMs management
- Good experience in migration of on-premises virtual machines to Azure using Azure Site recovery vault
- Good understanding of Azure virtual networks, Subnets and CIDR consolidation ☑ Good experience of Azure VNet Peering, Site-to-Site VPN, Point-to-Site VPN ☑ Good understanding of Azure Load balancers, Traffic Manager Etc.
- Good knowledge on Azure AD to manage application access
- Experience in creation of Azure AD application with B2C & B2B authentication
- Extensive experience in PowerShell scripting to automate many services management in Azure
- Good knowledge in ARM templates, automated Azure resource creations using ARM templates
- Good understanding of Azure PAAS services, managed few PAAS services like Web Apps, Azure SQL DB, Service bus, Traffic manager etc.
- Capable of managing multiple subscriptions both from portal as well as from PowerShell
- Extensive experience in Azure Storage. Managed Blob storage & Table storage with access
- Keys in some of the web applications
- Good understanding of set up Azure principal ids to access subscription from any

- programming language non- interactively
- Experience in export and import data to and from storage accounts across Azure subscriptions and within same subscription
- Experience in securing Azure Infrastructure by creating NSG's rules
- Good knowledge on Azure OMS dashboards and alert management
- Good understanding of Azure security centre
- Good understanding of Azure run books
- Using Python script to automate significant tasks involved in Devops process
- Shell script to automate the process of rotating log files and compressing old files to save disk space.
- Understanding the Business Requirements and there by preparing technical Design document
- Developing Java code in front end
- Writing Automation scripts using Selenium for the new functionality implemented in IL and L3 screens.
- Involved in Testing of file upload functionality using AUTO IT ☐ Involved in preparation of functional test cases.
- Experience in Regression, Smoke, Sanity testing
- Worked on SIT, UAT and Prod Environments
- Good experience in API testing
- Good knowledge on Xpath, different waits, frames, actions class, JavaScript executer.
- Experience in Hybrid framework (combination of POM and Data Driven)

EDUCATIONAL QUALIFICATION :

- Master of Computer Applications (M.C.A) from Osmania University
- Bachelor of Science (B.Sc) from Acharya Nagarjuna University

PROFESSIONAL EXPERIENCE:

- Working as Module Lead in Mphasis, Hyderabad/Bangalore, July-2017 to till now
- Worked as Senior Software Engineer in HCL, Chennai from Oct-2013 to Sept-2016.
- Worked as a Software Engineer for L&T Infotech, Chennai from Nov-2010 to Sept-2013.

LIST OF TOOLS AND TECHONOLOGIES :

- | | |
|---------------------------------|---|
| ✓ DEVOPS TOOLS | - Docker, Kubernetes, Terraform, Azure DEVOPS, Jenkins |
| ✓ SOURCE CODE MANAGEMENT | - GIT, GitHub, Azure Repo, Bitbucket |
| ✓ TICKET TRACKING | - JIRA, Azure Boards |
| ✓ PROGRAMMING LANGUAGES | - Python, Shell scripting, Java |
| ✓ CLOUD | - Microsoft Azure, AWS, GCP |
| ✓ DATABASE | - Microsoft SQL Server 2012 R2, 2014 |
| ✓ OPERATING SYSTEM | - Linux, Windows Server 2016 R2 & 2019 DC, Windows 10, 8.1,7, |

WORK EXPERIENCE:

Azure DevOps Module Lead
Mphasis, Hyderabad

July 2020- Till Date

Project Name :	FRB (ATM)
Operating System :	Mac, Windows (Vista, 7, 7.5, 8) , Linux
Tools/Software/Technologies :	Azure Devops, Azure Cloud, GIT, Maven, SonarQube, Docker, Kubernetes, Terraform, Elastic Search, Log stash, Nagios, Shell Scripting, Power Shell scripting, Linux

DESCRIPTION:

First Republic Bank seeks to improving its financial performance and operational efficiency through process Improvements and migrations to a new core banking system. As a result, First Republic is organizing their CORE system transformation, converting from TotalPlus to the FIS Integrating Banking Solution.

FRB currently uses Visa DPS for debit card processing and uses Deposit client On boarding (DCO) for orde ring new cards, and card maintenance requests. Fiserv Output Solution.

RESPONSIBILITIES:

- Responsible for managing CI/CD pipelines
- Application infrastructure provisioning using Azure DevOps pipelines
- Set up CI pipelines with code quality tools, integrate test suites
- Monitor nightly builds and help dev team if any pipelines failed
- Debug and trouble shoot nuget package issues
- Takes care of debug & troubleshoot PowerShell scripts in pipelines
- Responsible to write PowerShell scripts for small tasks and integrate in pipelines
- Helps Dev/QA teams to schedule nightly deployments using Azure DevOps pipelines
- Responsible for providing access to source code repositories (TFS/GIT)
- Good hands-on experience with Azure data analytics tools
- Responsible for creating Azure Data Factory (ADF) integration pipelines
- Data migration experience to ADF
- Configure Helm charts to configure dependencies
- Manager Azure Container registry (ACR) & ACI
- Good experience with docker images & containerization
- Had worked on Azure cosmos DB to implement No-SQL DB
- Experience integrations using Azure logic apps & Azure functions

Project Name :	JPMC (Marcom)
Operating System :	Linux, Mac, Windows (Vista, 7, 7.5, 8)
Tools/Software/Technologies :	Azure Devops, Azure Cloud, GIT, Maven, SonarQube, Docker, Kubernetes, Terraform, Elastic Search, Log stash, Nagios, Shell Scripting, Power Shell scripting, Linux

DESCRIPTION:

MarCom Project is exceptional ability in nurturing long-term relationships with retail clients And our customers allows you to focus on your core business of making the best products For your customers. At JPM Sales Group, we believe that our attention to people gives us Superior insight in negotiations that will maximize your sales position. And we bring value to Your go-to-market strategy with comprehensive sales and marketing solutions

RESPONSIBILITIES:

- Managing entire Azure infrastructure services
- Responsible for creation and management of various Azure IAAS services
- Creation of Azure NIC, Azure Virtual networks, Azure VM's and provide access users
- Creation of PowerShell scripts and add as extensions while creating VMs
- Responsible for creating Network Security Groups and add inbound rules for various ports like RDP (3389), PS remoting (5986), Custom ports (8081,9200) to allow access only from private network address prefix to provide utmost security
- Write PowerShell and schedule to shutdown virtual machines during off business hours
- Create storage accounts for dev & QA teams for their application development and testing purpose
- Create ARM templates to reuse similar deployment with some standard configurations and naming conventions
- Create PowerShell scripts to deploy ARM templates with Parameter templates
- Create and Manage Azure SQL database, Azure Service bus
- Evaluation Azure VMSS to auto scale up and scale down Azure vm workloads
- Responsible for set up Traffic manager for some of the critical application across geography
- Helps other team members to write PowerShell script to automate various services creation and management in Azure
- Create PowerShell script to manage multiple subscriptions in ARM portal using Azure AD principals, since ARM portal does not support publish settings file
- Create users in Azure AD from Portal as well as form PowerShell

- Setup high availability of application using Azure Load balancer
- Configure Azure Site Recovery for backup and migration activities
- Configure Vnet peering
- Configure Point to Site and Site to Site VPN
- Configure OMS dashboard to monitor and alerts management of VM's, SQL DB's etc.
- Migration of on-premises vms (Hyper-V & VMware) to Azure
- Responsible for taking vm backup and restore
- Extensive experience with Azure container registry
- Worked on Azure DevOps pipelines to create Docker image and push to ACR
- Implemented Azure functions to create Azure Container Instances (ACI)
- Worked on some data migration projects to move data from Azure storage to Azure SQL DB using ADF pipelines
- Worked on to implement Azure DevOps boards
- Had experience in third party services integrations using Azure DevOps services hooks subscriptions
- Extensive experience in implementation of Azure Key Vaults (AKV) to securely store secrets, connections strings & certificates
- Worked on creation & management of Azure service principal accounts
- Had extensive experience on Azure managed identities
- Experience in implementation of Azure load balancers
- Good experience on Azure application gateway & Azure front door with integration of WAF
- Had good understanding & experience on Azure traffic managers to manage load across geography regions

Senior Software Engineer

HCL Technologies, Chennai.

Sept 2013 – Aug 2016

Project Name :	SBI (SBIG)
Operating System :	Mac, Windows (Vista, 7, 7.5, 8) , Linux
Tools/Software/Technologies :	ALM 11, JSON Lint , Mingle, SVN, JIRA, TSYS, Core JAVA, Selenium Webdrivers, Jenkins, Cucumber

DESCRIPTION:

SBIG Project is based on Java J2EE technologies for developing customized General insurance products applications primarily based on the eBao General Insurance COTS Application. SBI General Insurance System covers the entire lifecycle of general insurance operations, including quotation generation, underwriting, policy issuance, endorsement and service, renewal, claims, reinsurance, billing, collection and payment, sales and marketing management, customer management and many supporting functions, e.g., reporting and document management.

This project contains plenty of General Insurance products.

RESPONSIBILITIES:

- Understanding the Business Requirements and there by preparing technical Design.
- Involved in Automating Password management and Account Request module Using Selenium web driver.
- Involved in writing Test cases by going through the requirements
- Involved in Developing Hybrid Automation Framework in Java using Data driven Framework.
- Had automated running smoke tests which will be performed after each release.
- Reported tracked defects in JIRA
- Involved in Generating customized reports using ATU Reports.
- Providing client support for System Testing & User Acceptance Testing.
- Leading the team from offshore and actively handling the daily status calls with the client.
- Worked effectively with Developers to achieve Selenium automation, high quality, release deadlines and QA processes improvements
- Involved in writing Test cases by going through the requirements
- Involved in Developing Hybrid Automation Framework in Java using Data driven Framework.

Software Engineer

Lnt Infotech, Chennai.

Jan 2012 – Aug 2013

Project Name :	RESMED
Operating System :	Mac, Windows (Vista, 7, 7.5, 8) , Linux
Tools/Software/Technologies :	JIRA, TSYS, Core JAVA, Selenium, Webdriver, Jenkins, Cucumber, Maven

DESCRIPTION:

RESMED were committed to advancing innovative technology in sleep and respiratory medicine and commercialising innovative products incorporating the technologies on a global basis.

RESMED uses two applications viz., ROS Admin, ROS Web. In ROS Admin will create the users and give the access to different features of ROS Web.

RESMED Online Store(ROS) web is an online purchase store where users can order their products, check the warranty of the ordered products, checking the orders history, can create an return order etc.

RESPONSIBILITIES:

- Understanding the Business Requirements and there by preparing technical Design.
- Involved in Automating the ROS Admin web application using selenium web driver.
- Develop, enhance, and execute the test scripts using Selenium Web driver.
- Creation of the effective Test reports by evaluating Test results.
- Involved in preparing test cases for ROS WEB functionality which is an e-commerce based web application.
- Had done manual testing for ROS WEB and reported the tracked defects to Bugzilla. [?](#)
Assisting the business users in UAT phase.

Software Engineer

Lnt Infotech, Chennai.

Nov 2010– Dec 2011

Project Name :	Free scale semiconductors, France
Operating System :	Mac, Windows (Vista, 7, 7.5, 8) , Linux
Tools/Software/Technologies :	SVN, JIRA, TSYS, Core JAVA, Selenium WebDriver, Jenkins, Cucumber

DESCRIPTION:

Free scale as a semiconductor manufacturing company maintaining Global 8D application which is a quality tool where in Free scale customers can track the Root causes of an incident and helps to provide an end to end analysis of an incident in order to prevent the same incident to happen in future.

Customer 8d applications contain 8 disciplines to identify the root causes of a problem and making that problem not to occur in future. Each discipline will have its own functionality.

RESPONSIBILITIES:

- Understanding the Business Requirements and there by preparing technical Design.
- Involved in Automating Password management and Account Request module Using Selenium web driver.
- Involved in writing Test cases by going through the requirements
- Involved in Developing Hybrid Automation Framework in Java using Data driven Framework.
- Had automated running smoke tests which will be performed after each release.
- Reported tracked defects in JIRA

- Involved in Generating customized reports using ATU Reports.
- Providing client support for System Testing & User Acceptance Testing.
- Leading the team from offshore and actively handling the daily status calls with the client.
- Worked effectively with Developers to achieve Selenium automation, high quality, release deadlines and QA processes improvements
- Involved in writing Test cases by going through the requirements
- Involved in Developing Hybrid Automation Framework in Java using Data driven Framework.

DECLARATION:

I hereby declare that the above-mentioned details are true to the best of my knowledge
M. Ravi Sankar