Godwin Jacob

Cloud SME, DevOps Engineer, 2+ years

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Areas of Expertise **Cloud Computing** :

Architecting cloud platforms, design and its implementations

Automated resource provisioning using Powershell, Python, AWS Cloud Formation, Azure Resource Manager templates.

Extensive working experience in Cloud services like Web Apps, Application Insights, Web job, Azure DB Services, AWS data pipeline, AWS Lambda etc.

DevOps:

Handled the role of a DevOps Engineer to set up a complete CICD cycle on Azure platform. Hands on experience in DevOps tools like Bitbucket, Bamboo, Jenkins, Ansible, Confluence, Artifactory **Containers** :

Have been part of implementation of microservices architectures implementing docker containers and also orchestrating containers using DCOS, marathon etc.

Experience Summary **Roles:**

Managing AWS/Microsoft Azure resources using management console and configuration tool like PowerShell

Delegated for configuring, monitoring and maintaining the cloud architecture

Reusable assets created:

Python script for monitoring and correcting security group violations and more such python (AWS boto) scripts to be run on AWS lambda

PowerShell script to automate the start and stop of VMs using Azure Automation Service

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Mar/2015 to Present

Cloud SME / DevOps Engineer, Digital Enterprise, TCS, Kochi, India

Career Profile

Achievements	**Certifications**
	• Developing Microsoft Azure Solutions (70-532)
	• Implementing Microsoft Azure Infrastructure Solutions (70-533)
	• AWS Certified Solutions Architect - Associate
	• IBM Certified Cloud Developer
Technical Expertise	**Scripting**: Python , Azure PowerShell, Bash/Shell scripting, ARM templates, CloudFormation templates
	Operating Systems: Linux
	Cloud Services : Azure and AWS
	Databases: AWS Redshift, MongoDB

Experience Details

TCS Nov/2017 to Present	**Project : Host a web application in Azure Cloud**
	Roles and Responsibilities:
	➢ Completely set up three environments in Microsoft Azure for Dev, Test and Prod that mostly included Azure Paas services like Azure SQL DB, App Service Environment, Web Apps, Application Gateway, OMS
	➢ Automated Azure Resource Deployments using ARM templates and Azure Powershell
	➢ Used Visual Studio Team Services (VSTS) to trigger environment build using ARM templates and also code deployments to Web Apps.
	➢ Used Powershell script for generating resource inventory.
	➢ Used monitoring solutions in OMS to monitor all resources.

TCS Apr/2017 to Nov/2017	**Project : Set up a microservices based environment in Azure Cloud** **Roles and Responsibilities:**

- ➢ Completely set up four environments in Microsoft Azure for Dev, Test, Prod and DR which included Azure Iaas services and some PaaS services including Azure Document DB, Azure Search

- ➢ Automated Azure Resource Deployments using ARM templates and Azure Powershell and python.

- ➢ Built a complete CICD cycle on Azure which included tools like Atlassian BitBucket, Jenkins, JFrog Artifactory, Ansible etc

- ➢ The CICD cycle involved automated builds of docker images followed by pushing the docker images to Artifactory and then deploying them as containers in various environments

- ➢ Used Marathon framework based DCOS for complete orchestration of these docker containers

TCS Sep/2016 to Apr/2017	**Project : Migrated an enterprise website from on-premise to Azure Cloud** **Roles and Responsibilities:**

- ➢ Completely set up three multi-region environments in Microsoft Azure for Dev, Test and Prod which included Azure Iaas services and some PaaS services including Application Gateway, Azure Document DB

- ➢ Automated Azure Resource Deployments using ARM templates and Azure Powershell

- ➢ Leveraged Azure Express Route Premium Add-On to extend connectivity from on-premise to Azure Cloud

- ➢ Built a complete CICD cycle in Azure which included tools like GitLab, Jenkins, Apache Archiva etc

- ➢ Installed and configured AEM (Adobe Experience Manager), a CMS tool on Azure VMs.

TCS May/2016 to Sep/2016	**Project : POC on a complete DevOps CI/CD cycle on AWS cloud Roles and Responsibilities:**

> ➢ Set up Atlassian BitBucket as version control system
> ➢ Used Atlassian Bamboo as the CI tool and Octopus Deploy as the CD tool
> ➢ Integrated Bamboo with both Git and Octopus Deploy for Continuous Integration and Continuous Delivery.
> ➢ Created Cloud Formation templates to spin up EC2s in AWS Cloud for deployment of artifacts
> ➢ Also integrated JIRA for tracking of issues

TCS Feb/2016 to Apr/2016	**Project : Application migration and data migration** **Roles and Responsibilities:**

> ➢ Migrated an existing application to Azure cloud
> ➢ Set up a self-hosted MongoDB on Azure VM with high availability and auto scaling enabled and performed data migration

TCS Jun/2015 to Dec/2015	**Project: Cloud Platform Enablement** **Roles and Responsibilities:**

> ➢ Cloud SME
> ➢ Azure Run book preparation
> ➢ Detailed Design documentation prior to project execution
> ➢ Worked on AWS Data pipeline for automatic loading of Azure and AWS bills into Redshift database
> ➢ Worked on Azure ARM templates & AWS Cloud Formation for automatic provisioning of resources
> ➢ Participated in testing – UT/IT, ORT– for streams like Azure and Data warehouse.

Experience Details

Qualification	University/Board	Percentage	Year of Passing
Bachelor of Engineering	Park College of Engineering and Technology	74.4	2014
HSE	Tamil Nadu Board of Secondary Education	89.5	2010

SSLC	Tamil Nadu Board of Secondary Education	90	2008

Personal Details

Address	20/74, Kakkotu Vilai, Kurumathoor, Kuzhithurai PO, Tamil Nadu. Pin-629163
Date of Birth	10/Jul/1993
Passport	M5001047 , 25/Dec/2024
Visa	-
Marital Status	Single