

# AMIT GHANWAT - CLOUD & DEVOPS ENGINEER

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## SYNOPSIS

- ☞ Microsoft Certified: Azure Administrator with around 4+ Yrs. of experience in Designing, Migrating & Developing Cloud solutions on Azure.
- ☞ Presently working with Accenture as a Cloud & Devops Engineer, responsible for Migrating & building Microservices & IAAS solutions on Azure.
- ☞ Previously associated with Tata Consultancy Services Pvt Ltd., as part of the core team responsible for developing Cloud Infra solutions and Migrating resources from ASM to ARM.

## TECHNICAL EXPERTISE

- ☞ 4 years of hands-on experience with Azure IAAS.
- ☞ Proficient in Kubernetes, Docker, Terraform & Ansible.
- ☞ Hands on experience with Linux bash scripting, YAML, Git and GitHub & Jenkins.
- ☞ Well versed in Designing Solution Architecture's.
- ☞ Working in Agile methodology

## PROJECT'S

<b>Name</b>	<u>CI/CD &amp; Microservices</u>
<b>Tools</b>	<u>VS Code, Git &amp; GitHub, Jenkins, Az Container Registry, Az K8s service, Linux, Terraform</u>
<b>Description</b>	<ul style="list-style-type: none"><li>• Commit the code &amp; Dockerfile to GitHub</li><li>• CI triggers the build job on Jenkins</li><li>• Jenkins reads Dockerfile, creates a Docker Image &amp; pushes to Docker hub</li><li>• This image will be pulled by AKS while deploying a Pod. (still under Process)</li><li>• Note: Pipeline is defined using Jenkins File</li></ul>

<b>Name</b>	<u>Minikube setup</u>
<b>Tools</b>	<u>Ubuntu, Git &amp; GitHub, Minikube, Docker, Kubectl, Yaml</u>
<b>Description</b>	<ul style="list-style-type: none"><li>• Configured a Minikube cluster &amp; Kubectl on Ubuntu</li><li>• Installed Docker, created Docker images &amp; pushed them to Docker hub</li><li>• Deployed Pods, ReplicaSets, Deployments using images from Docker hub.</li><li>• Configured Calico &amp; deployed Services, etc.</li></ul>

## WORK EXPERIENCE

<b>Company</b>	<u>Accenture LTD</u>
<b>Project</b>	<u>Lift and shift to containers with AKS</u>
<b>Client's</b>	<u>K&amp;S Law</u>
<b>Period</b>	<u>May 2022 – Present</u>

Description	Requirement is to build Microservices for existing applications.
Role	<u>Kubernetes Engineer</u>
Responsibilities	<ul style="list-style-type: none"> <li>Defining Docker files &amp; building images.</li> <li>Pushing Container images to Azure container Registry so that Containers can be deployed in AKS Cluster.</li> <li>Creating definition files for Pods, Deployments, Namespaces, ConfigMaps, Secrets, etc using YAML.</li> <li>Implementing Services like NodePort, ClusterIP, LoadBalancer to enable communication from-to &amp; within the cluster resources.</li> <li>Maintaining entire source code using Git &amp; GitHub.</li> </ul>
Solution Environment	Azure
Tools	ACR, AKS, Linux, Git & Github, Docker, Terraform, Az DevOps: Kanban boards, VS Code, YAML
Project Type	Microservices Deployment

Company	<u>Accenture LTD</u>
Project	<u>OnPrem to Cloud Migration</u>
Client's	<u>Tampa Global Hospital, University of central Florida</u>
Period	Dec 2021 – May 2022
Description	Requirement is to migrate existing infra sitting in on-Prem DC's to Azure using lift & shift strategy.
Role	<u>Migration &amp; Implementation Engineer</u>
Responsibilities	<ul style="list-style-type: none"> <li>Initiating pre-migration checks</li> <li>Performing Compute, Storage, Network analysis on source VM's.</li> <li>Triggering replication of scheduled servers &amp; updating target VM configuration in Az Replication job settings.</li> <li>Monitoring replication Health status, verifying subscription quota limits.</li> <li>Creating Landing zone on Azure &amp; performing Test failover. Performing Compute, Storage, Networking analysis on the target test VM's.</li> <li>Comparing source &amp; target's analysis reports, involving appropriate client teams in case any changes are required. Cleaning up test migration.</li> <li>On Cutover date, initiating the final migration &amp; performing same checks as above &amp; comparing with source analysis reports.</li> <li>Highlighting issues to client if any. Handing over the servers for testing &amp; validation</li> </ul>
Solution Environment	Azure(Compute, Storage, Network, Monitoring)
Tools	Azure, Az Migrate, Linux, Git & Github, Terraform, Az DevOps: Kanban boards, VS Code, Linux.
Project Type	Migration & Rebuild

Company	<u>TCS LTD</u>
Project	<u>ASM to ARM Migration</u>
Client	<u>Maersk LTD</u>
Period	Nov 2018 - Dec 2021
Description	Maersk had its legacy infra in Azure Service Management portal which was supposed to be shifted to Azure Resource Manager before the end of 2022. If not implemented then Microsoft would go ahead and deactivate the Virtual machine service in ASM which would have impacted Maersk VM's.
Role	<u>Cloud Engineer Associate</u>

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>• Conducting &amp; Driving meetings with application teams to understand application requirements.</li> <li>• Designing To-be Solution Architecture which defines Compute, Network, Storage, etc. for applications.</li> <li>• Infrastructure Build, Configuration &amp; Data migration via Drive Mapping/Robocopy (Powershell)</li> <li>• Handover of infrastructure to application teams for installation &amp; testing.</li> <li>• Cutover &amp; Decommissioning the ASM setup.</li> <li>• Driving KT sessions for new joiners.</li> </ul>
<b>Solution Environment</b>	Azure(Compute, Storage, Network)
<b>Tools</b>	Azure, Git & Github, Ansible, Linux, VS Code, Az DevOps: Kanban boards, Powershell, Draw.io
<b>Project Type</b>	Migration & Re-build

## Key Highlights:

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- ☞ Recently awarded with Client Value Creation award at Accenture Ltd.
- ☞ Got Service & Commitment award & On the Spot award by TCS Pvt Ltd.
- ☞ Possess ability to pick up and deliver any technology quickly.
- ☞ Have excellent presentation and articulation skills.
- ☞ Outstanding team player and a marvellous motivator who can take charge and lead when needed.

## ACADEMIA

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B.C.S (Computer Science) graduate from Indira College of Commerce & Science, Pune.

## PERSONAL DOSSIER

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Date of Birth: 04th February 1998

Address: Pune, India