

# Azure For Starters

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<b>Azure For Starters</b>	
.....	
<b>1</b>	
<b>Introduction</b>	
.....	
<b>3</b>	
<b>AZURE COSMOS DB Service</b>	
.....	
<b>7</b>	
<b>Sample code for interacting with Cassandra</b>	
.....	
<b>8</b>	
<b>Azure Blobs Service</b>	
.....	<b>2</b>
<b>0</b>	
<b>Sample code to interact with Azure Blob Service</b>	
.....	<b>2</b>
<b>6</b>	
<b>Azure Databricks Service</b>	
.....	<b>3</b>
<b>1</b>	
<b>Sample code to interact with "Azure Databricks Service"</b>	
.....	<b>3</b>
<b>6</b>	
<b>Azure Functions</b>	
.....	<b>4</b>
<b>4</b>	
<b>Azure Mail Service</b>	
.....	<b>4</b>
<b>9</b>	
<b>Azure QNA Services</b>	
.....	<b>5</b>
<b>1</b>	
<b>Azure AD Integration</b>	
.....	<b>6</b>
<b>9</b>	
<b>Sample Code For Interacting with Azure AD</b>	
.....	<b>6</b>
<b>9</b>	

<b>Microservices in Azure</b>	<b>7</b>
.....	.....
<b>8</b>	
<b>Ensuring security of Micro services</b>	<b>7</b>
.....	.....
<b>9</b>	
<b>Sample code to crawl websites and generate RSS feeds in JSON format</b>	<b>8</b>
.....	.....
<b>0</b>	
<b>Azure Redis</b>	<b>8</b>
.....	.....
<b>6</b>	
<b>Implementing CORS filter for Micro service</b>	<b>9</b>
.....	.....
<b>0</b>	
<b>Sample Web application to upload files into Azure Blob</b>	<b>9</b>
.....	.....
<b>2</b>	
<b>Azure Devops</b>	<b>10</b>
.....	.....
<b>4</b>	
<b>Running Micro services in Kubernetes POD</b>	<b>12</b>
.....	.....
<b>6</b>	
<b>Useful commands to access Kubernetes POD</b>	<b>12</b>
.....	.....
<b>7</b>	
<b>Conclusion</b>	<b>12</b>
.....	.....
<b>8</b>	
<b>ABOUT THE AUTHOR</b>	<b>12</b>
.....	.....
<b>9</b>	

This book is dedicated to all Azure developers, designers and testers.

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## Introduction

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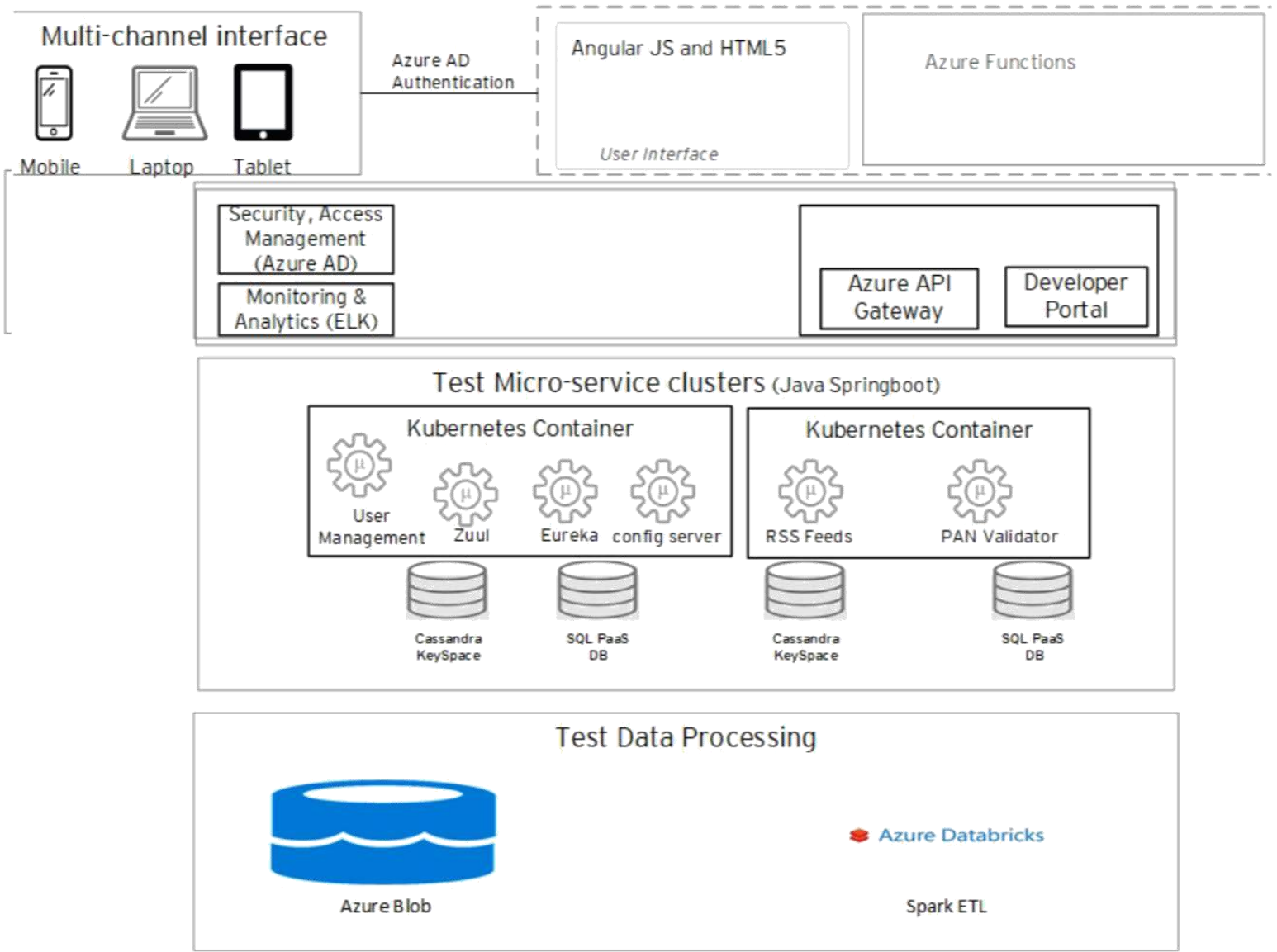
I will give a background on why I wrote this book, while developing an IT automation system in Azure platform, we struggled day in and day out to make use of Azure services, the project slipped by 8 weeks. Even though Azure claims to have all information online, we found them not enough to develop and execute our project on time.

I have now captured all my learning in simple snapshot and working codes. Most of the open source code does not work without modification, we struggled to configure and make our code work in azure application platform. Developer/Manager will immediately know, what all azure services need to be procured for his/her project, how to configure and make use of each Azure services, they will also have access to working code, this will easily save 6-8 weeks of time for each project.

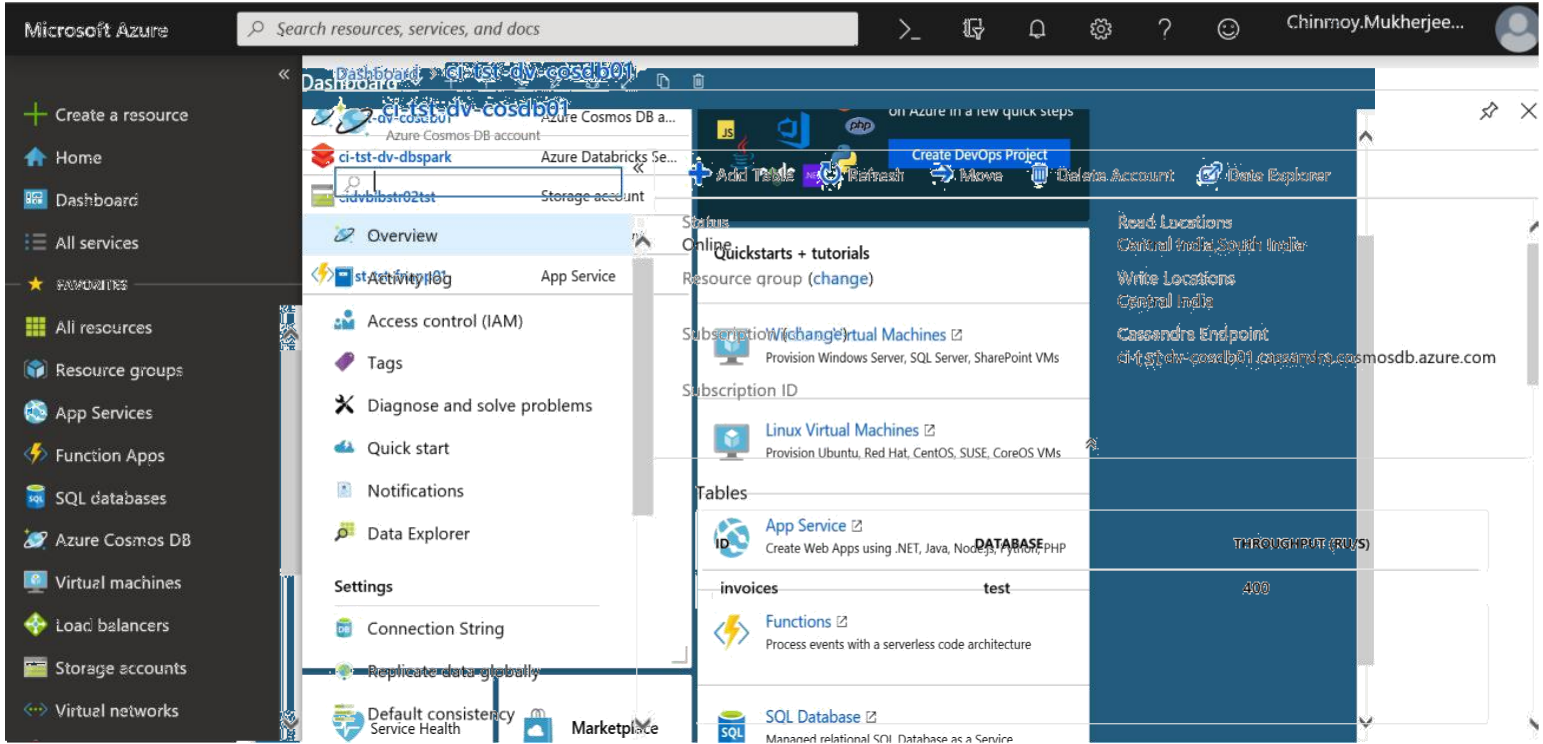
This book will provide a real life account of my work in Azure platform for 6 months. In this book, firstly We will learn main services provided by "Azure platform" and develop a website to authenticate user, upload a large set of dummy invoices into "Azure Blobs" and validate PAN for each invoice using "Apache Spark" installed in "Azure Databricks" platform. We will also use "Azure Redis Cache" service for caching data. PAN will be validated using drools rules engine. The invoice content will be stored in "Azure Cosmos DB". Secondly we will learn how to scrape content and generate RSS feeds via azure function and display it in the website. Thirdly we will learn "Azure Devops". Here is the architecture of the system that we will build while learning "Azure Services".

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First step to learn azure is to get a trial azure account at <https://portal.azure.com/>. If your company has already bought required azure services as part of their corporate subscription, you can make use of your official azure AD account for accessing azure services. If you are using company azure subscription. You may have to ask your azure support team to configure "Azure cosmos DB", "Azure Databricks", "Azure Blob", "Azure function" for your azure account. I will be using my official azure AD account for explaining azure features. In some places information have been redacted/suppressed to maintain confidentiality. Once your azure account is configured and you either get hold of above azure services on a trial basis or your company subscribed and configure your azure AD account for accessing those azure services. Once you login to "Azure Portal", you will listing all of your azure services like below screen.



Note: If you have got multiple azure subscription, you may have to switch to the subscription where your IT team has procured those "Azure Services".

## **AZURE COSMOS DB Service**

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You can access azure COSMOS DB services from your azure portal. Azure Cosmos DB Cassandra API can be used by applications using Apache Cassandra database. . You can create new Cassandra keyspace, table using the web interface. You can also create keyspace and table via Java, C#, etc. programs. Below snapshots will help you create keyspace and table, set "request per unit" for the keyspace.

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