**Azure Devops Crash Course -Build CI/CD release pipelines**

Step by step Tutorial to understand CI/CD pipelines ,Release activities, Docker, Code Repos, Project Boards, in Azure

**What you'll learn**

* By end of this course, You will understand how deployments happen with Azure Devops
* You will get real time experience in building CI/CD Pipelines for App Dev code and Test Automation Projects
* Understand how to create Docker Images using Azure Pipelines Yaml files
* Thorough understanding of Release Management Activities from end to end prod Deployments
* Complete knowledge on how to use Azure portal for Project Boards , Work Items, Sprint Planning, Backlog items
* Understanding Azure Repositories , Branches , Pull request reviews and Integration of branch code to Work items
* Detailed information on how to deploy App code into Local Window Agents and Azure hosted resources

**This course includes:**

* 7.5 hours on-demand video
* 3 articles
* Access on mobile and TV
* Certificate of completion

**Requirements**

* None - Everything taken care from the Scratch

**Description**

\*Azure Devops- One of the Most Buzzing keyword in the 2024 Software Industry  
**This tutorial will bring your wish of Azure Devops learning to reality with Top class 6 hours training with real time examples.**  
Course starts from Scratch with Azure fundamentals and then train you on below important Core concepts

*1. Creating Continuous Integration and Delivery Pipelines for Software Projects.  
2. Setting  up automated release cycle management with CI/CD Pipelines Integration.  
3. Production Deployment to Azure Servers and Local Agent Servers  
4 After thorough understanding of Devops related flows,  We will then see how to manage the complete Project in Azure Portal such as Setting up Work Items, Sprint Planning, Agile Scrum Boards, Backlog etc  
5. Azure Code Repo Integration with Project Work Items for great collaboration.  
7. Pull requests, Code reviews and Merges from Azure Portal  
6. Creating Docker Images for repos  using Azure Pipelines yaml Script*

At the end of this course, You will get complete knowledge on Azure Devops Fundamentals and be ready to work on any task related to Azure Devops portal.

**Below is Course Outline we are going to cover**

Introduction to Azure Devops  
Deployment Basics  
Importance of Continuous Integration/Deployment  
Implementing Build Pipelines  
Implementing Release Pipelines  
Creating Release Components  
How to create Docker Images for the Code  
Azure repos  
Running Automation Test Jobs on Azure Pipelines  
Deploying code to Azure Servers  
Deploying Production code to Local Agent Servers  
  
**Part 2**-  
What are Work Items?  
What are Issues?  
Different type of Project Boards  
Spring Planning Management  
Back Log section  
How to create branches for Azure Repos  
Integrating work items to Code branches  
Pull requests creation  
Review of PR's and code Merge

**Who this course is for:**

* Software Engineers
* Devops Freshers
* QA Software Testers