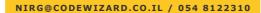




visitors 42054







# **DevOps Intro**

	Level	Duration
00	Introduction	1 day

### **Audience and prerequisites**

• This course is for everyone who need to get familiar with DevOps and the main tools

#### **Main Goals**

- Understand the basics of DevOps
- · Agile in Nutshell
- DevOps In Nutshell
- Get familiar with the most common DevOps tools
- Apply recommended practices for effective and efficient automation with DevOps.
- Tools overview (CI, CD, IaC etc)

# Content

Module	Content	
Intro	Cloud Computing & Aws Fundamentals	
	Introduction to Cloud Computing	
	◆ SaaS	
	♦ What is DevOps	
	<ul> <li>Agile in Nutshell</li> </ul>	
	<ul><li>Agile vs Waterfall</li></ul>	
DevOps in Nutshell		
	◆ Concepts	
	◆ Dev & Ops	
	◆ Automation	
	♦ What is CI/CD?	
	<ul> <li>Continues Integration</li> </ul>	
	<ul> <li>Continues Delivery</li> </ul>	
	<ul> <li>Continues Deployment (Manual / Automatic)</li> </ul>	
	What is Pipeline?	
	<ul> <li>Pipeline steps/phases</li> </ul>	
	<ul> <li>DevOps lifecycle</li> </ul>	
	◆ Testing	
	Monitoring	
	Release management	
	<ul> <li>Application Performance Management (APM)</li> </ul>	
DevOps showcase		
	<ul> <li>The path from Coding to production</li> </ul>	
	◆ Tools Overview	
	◆ Git	
	♦ GitHub	
	◆ GitLab	
	◆ AzureDevOps	
	→ Jenkins	
	◆ BlueOcean	

	◆ Jira
	◆ Docker
	<ul> <li>Docker vs containerd</li> </ul>
	Kubernetes
	<ul><li>On prem vs Cloud</li></ul>
	◆ Telepresence
	◆ Lens
	◆ Chef
	Puppet
	◆ Ansible
	Nexus
	<ul><li>Artifactory</li></ul>
	SonarCube
	◆ Vault
	Nagios
	◆ Cloud
	◆ Azure
	◆ Aws
	♦ GCP
	◆ Terraform
DevOps Best practice	

# **Live Demos**

• Coding > Git > Pipeline (Jenkins) > Docker > K8S

### Back to courses list

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