

# DevOps Simplified TOC v2.0

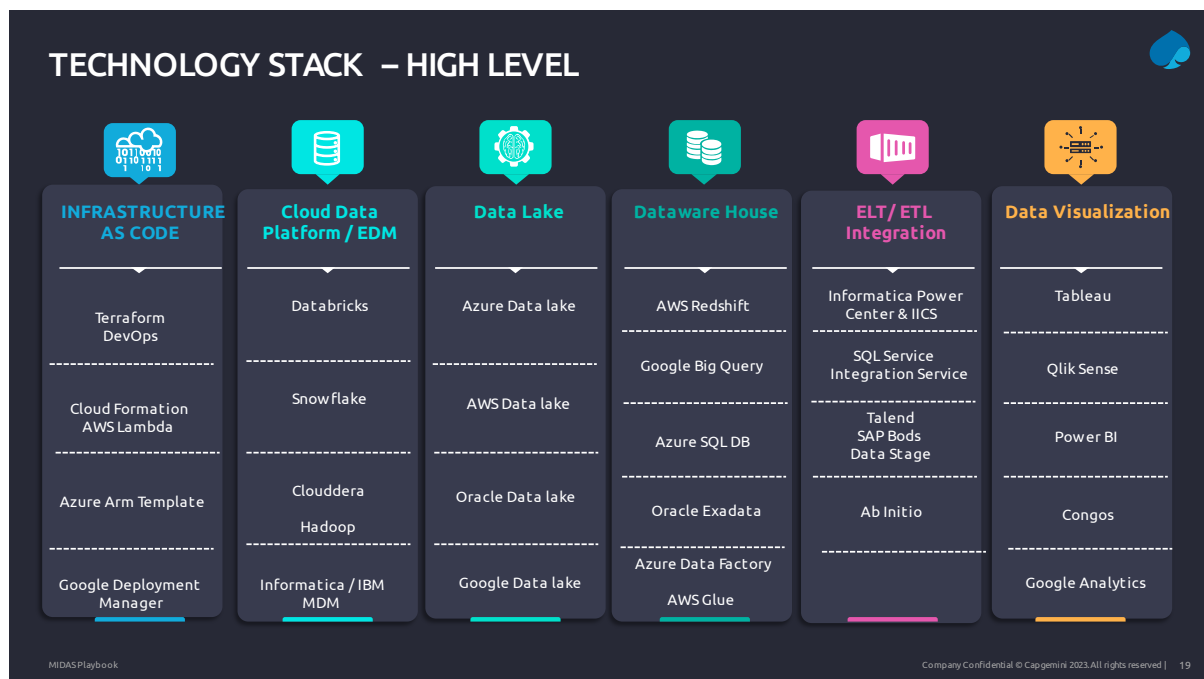
## 6 Week Program –

### Premium Batch A5/B1 batch of 30

Day 1 - 2

#### Module 1 : Overview of Data Platform - 15-30 Min Overview on each Technology

- Data Visualization
- ELT/ETL
- Datawarehouse
- Datalake
- Cloud Data Platform



Day 3 – 4 – 5

#### Module 2 : Overview of Cloud & Hyperscaler: AWS, Azure, GCP

- AWS – 1 Day
- Azure – 1 Day
- GCP – 1 Day

Day 6 – 7 - 8

#### Module 3: Scripting Shell , Bash & Python programming for DevOps Engineers

- Introduction to Linux Linux Basics & Scripting
- Introduction to Python and IDEs, Python Basics Object Oriented Programming

1) Followed by Test of Module 1 to 3: Passing score 60%

Day 9 – 10 - 11

#### **Module 4 : Introduction to DevOps**

- DevOps concepts and terminology
- Core DevOps Principles / Key DevOps Practices
- Business and Technology Frameworks
- Continue Integration / Continues Deployment

#### **Module 5 : Automation and Architecting with DevOps Toolchains**

- Designing and implementing DevOps workflow/pipelines (Jenkins )
- DevOps Tool Chain
  - e.g Git, Github, Bitbucket, Jenkins, SonarQube +++
- Team collaboration tools: Azure Dashboards/Jira etc...

Day 12 – 13

#### **Module 6 : Integration Ansible with CI/CD**

Day 14 – 15 – 16

#### **Module 7 : Getting to start with Infrastructure as Code**

**AWS Cloud Formation , ARM Template**

Day 17 – 18 – 19

#### **Module 8 : Terraform – Certification : External Exam**

- 2) Followed by Test of Module 4 - 7 , Passing Score : 60%

Day 20 – 21

#### **Module 9 : Integrating Dockers & Kubernetes with CI/CD**

Hands on Lab

- Continuous Orchestration Using Kubernetes
- Continuous Monitoring using ELK

Day 22 – 23

Hands on Lab -

#### **Module 10 : CI/CD Pipeline with Jenkins as well as SonarQube**

Day 24 –25 - 26 (Batch of 10 ) :

**Module 11 : DevOps on AWS followed by Hand's on Lab**

Hand's on Lab

- 3) Followed by Test of Module 11 , Passing Score : 60%

Day 24 –25 - 26 ( Batch of 10 )

**Module 11 : DevOps on Azure followed by Hand's on Lab**

Hand's on Lab

- 3) Followed by Test of Module 12 , Passing Score : 60%

Day 24 –25 - 26 ( Batch of 10 )

**Module 11 : DevOps on GCP followed by Hand's on Lab**

Hand's on Lab

- 3) Followed by Test of Module 13 , Passing Score : 60%

Day 27

**Module 12 : Monitoring using Prometheus and Grafana**

Day 28

**Recap of Training, Doute Solving, Sample Exam & Project Preparation Day**

Day 29

- 4) Capstone Project ...

**Exam Voucher - 90 days to complete external certification on DevOps & Terraform**

## Virtual Learning

**Self-Learning Module: People can go through before training.**

[DevOps: The Big Picture | Pluralsight](#)

**Self-Learning Module: People can go through after training.**

[The Ultimate DevOps Bootcamp | Udemy Business](#)

[DevOps Project 1 - CI/CD with Git Jenkins Ansible Kubernetes | Udemy Business](#)

[DevOps Project Workshop | DevOps Project - 2 | Udemy Business](#)

[Site Reliability Engineering \(SRE\): The Big Picture | Pluralsight](#)