

DevOps Upskill Course

Boost your career in DevOps with our accelerated version of our successful DevOps Bootcamp.

Course Syllabus

Day 01

Course Introduction + Docker Basics

- Welcome, Intro to DevOps, Methodologies
- Intro to Containerization, Docker Architecture, Commands workflow
- Docker Volumes Types: Host & Named
- Docker Networks: Bridge & Container Network

Day 02

Docker Advance

- Understanding containers in a 3-tier application architecture with Docker-Compose
- Basics of Nginx as a Reverse Proxy
- Stateful applications in Docker
- Container Communication over Docker Networks
- Security in containers

EXPERT TALK
Avital Tamir
DevOps Architect,
Develeap



Day 03

AWS Cloud: Networking + Compute

- Introduction to cloud and AWS
- AWS Cloud Infrastructure
- Account Best Practices and IAM Policies & Roles
- Networking in the Cloud
- Compute with EC2

Day 04

AWS Cloud: Load Balancing + Scale

- Image Registry with ECR
- Load balancing with ALB + Auto Scaling Group (ASG)
- Simple Block Storage with EBS

Day 05

AWS Cloud: Database + Storage Solutions

- Managed Database with RDS
- Shared Storage with EFS
- File Storage with S3

EXPERT TALK
Tamir Kafri
Cloud Architect, AWS
Champion Instructor,
Develeap



Day 06

Intro + GitHub Actions: Basics

- Introduction to basic CI/CD stages workflow
- CI with GitHub Actions Workflow including: Jobs, Steps, Actions, Runs-on
- Automatic Triggers vs Manual Dispatch
- Working with secrets and parameters.

Day 07

CI + GitHub Actions: Advance

- Reusable Workflows
- Docker/JavaScript/TypeScript
- Composite & Custom Actions
- Metrics usage in GitHub Actions Workflows
- Self hosted Runner VS GitHub Runners

EXPERT TALK
Elad Cirt
DevOps Engineer,
Develeap



Day 08

IaC - Terraform: Basics

- Introduction to Infrastructure as Code
- Terraform usage in the AWS Cloud
- Authentication Methods
- Understanding and Managing TF State

Day 09

IaC - Terraform: Advance

- Remote State
- Dynamic & Modular Terraform
- Multi-Environment Terraform Project

EXPERT TALK
Yotam Halperin
DevOps Engineer,
Develeap



Day 10

Kubernetes - Architecture: Basics

- Microservices Intro
- K8S Cluster Architecture
- K8S Basics with Stateless Application Deployment
- Networking with K8S Services

Day 11

K8S: Stateful Applications + Configuration

- StatefulSet Application
- Configuration with ConfigMap
- Understanding Secrets in K8S

EXPERT TALK
Arnon Tzori
DevOps Engineer,
Develeap



Day 12

K8S - Helm

- Introduction to Helm Charts
- Helm Chart structure
- Working with Artifact Hub
- Ingress & Ingress Controller

EXPERT TALK
Kobi Avshalom
CTO, Develeap



Day 13

Portfolio: DevOps Project

- How to approach a new project
- How to create an architecture diagram

Day 14

Portfolio: Guidance & Improvements

- Get feedback on your portfolio to boost your skills!
- Interview Simulation Tips & Guidance

EXPERT TALK
Omri Spector
Founder, Develeap



Day 15

Your Next Move: Discover New Opportunities in DevOps!

- Graduation Celebration: Your Next Big Move!
- What's Next? Chart Your Development Path!
- What's Next? Explore Your Future: AOA Course, Essential Tools, and Certificates to Boost Your Career!

Become a DevOps Hero in Just 15 Meetings

Unlock your next career move with DevOps

Ready to start empowering your team?

Contact us today!

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Idan Korkidi
Head of Education

Contact us now 

