



ICORPORATE · TRAINING PROGRAM

DevOps & Cloud Bootcamp

A 20-week hands-on program to build production-ready DevOps and cloud engineering skills, from Linux fundamentals to Kubernetes, Terraform, and automated monitoring.

20 WEEKS

~15 HRS / WEEK

VERIFIED CERTIFICATE

ABOUT THE PROGRAM

Built for people who want to run real systems, not just pass a quiz.

What you'll actually learn

This program takes you from foundational systems knowledge to running production-grade DevOps workflows, Linux, containers, Kubernetes, CI/CD pipelines, infrastructure as code, and automated monitoring. Every module pairs a concept with a hands-on build, so what you learn transfers directly to a real engagement, not just to whichever tool we happened to use in the demo.

You'll also learn the reasoning behind each tool choice, so the knowledge holds up even when the tooling around it changes, because it will.

By the end, you'll have

- No gaps between "I watched a tutorial" and "I can do this on a real system"
- A working portfolio of projects you built yourself, in your own Git repositories
- A verified iCorporate certificate, checkable by anyone via QR code
- The full DevOps skillset employers are actually screening for

HOW THE PROGRAM RUNS

Six things that make this stick.



Hands-On Projects

The core of the program. Every module ends with a real build, not a quiz.



Module Checkpoints

Self-check exercises after every module confirm the skill actually landed.



Direct Mentor Access

Support from engineers who work these systems day to day, not a forum thread.



Illustrated Handouts

A one-page reference for every module, built for quick recall on the job later.



Verified Certificate

A QR-verifiable iCorporate credential, checkable by anyone at icorporate.net/verify.



Career Support

CV review, portfolio guidance, and interview prep once you're ready to apply.

PROGRAM STRUCTURE

Zero to production-ready, in four levels.

01

WEEKS 1-3

Foundations

The gaps that trip up most newcomers to DevOps: Linux fluency, Git workflows, and enough networking to reason about what's actually happening on the wire.

02

WEEKS 4-7

Cloud & Containers

Where the DevOps work really starts. Provision cloud infrastructure by hand, manage build artifacts, and containerize applications with Docker.

03

WEEKS 8-14

Core DevOps

CI/CD pipelines, AWS and Azure fundamentals, and container orchestration with Kubernetes, including running it on a managed cloud service.

04

WEEKS 15-20

Advanced Automation

Terraform for infrastructure as code, Ansible for configuration management, Python for custom automation, and Prometheus/Grafana for monitoring.

RECOMMENDED SCHEDULE

20 weeks, at roughly 15 hours a week.

Self-paced by design, adjust to your own schedule. What matters is staying consistent week to week, not finishing fast.

WEEKS 1-3



Level 1 – Linux, Git, Networking

WEEKS 4-7



Level 2 – Cloud Basics, Artifact Management, Docker

WEEKS 8-14



Level 3 – CI/CD, AWS & Azure, Kubernetes, K8s on Cloud

WEEKS 15-20



Level 4 – Terraform, Ansible, Python, Monitoring

A note on pace

Some trainees complete this in 12–14 weeks working full-time on it. Others take longer around a job. Both are fine, the schedule above is a guide, not a deadline. What actually predicts success is showing up weekly, not sprinting then stopping for a month.

Modules 1–3

MODULE 01

Linux & Command Line Essentials

Every engagement starts on a server. This module builds the Linux fluency you'll rely on for everything that follows, file systems, permissions, processes, and enough shell scripting to automate the boring parts.

File system

CLI navigation

Users & permissions

Package managers

Shell scripting

Env variables

SSH

MODULE 02

Git & Version Control

Infrastructure and application code both live in Git. You'll learn to manage change with confidence, branching, merging, and recovering from mistakes without panic.

Git fundamentals

Branching

Merge requests

Resolving conflicts

Rebase vs merge

Undoing changes

MODULE 03

Networking Fundamentals for Engineers

You can't secure or troubleshoot what you don't understand. This module covers the networking concepts that show up constantly across cloud and container environments.

TCP/IP basics

DNS

Load balancing

Firewalls

Private networking

Modules 4–6

MODULE 04

Cloud & Infrastructure Basics

Before diving into a specific provider, you'll learn the shared concepts behind cloud computing and provision your first server by hand, so the automation that comes later actually makes sense.

IaaS/PaaS/SaaS

Provisioning a VM

Securing a server

Manual deployment

MODULE 05

Artifact Management

Built software has to live somewhere between your pipeline and production. You'll learn how artifact repositories fit into that handoff.

Repository types

Publishing artifacts

Access control

Cleanup policies

MODULE 06

Containerization with Docker

Docker is the packaging format the rest of the program builds on. You'll go from "what is a container" to writing production-quality Dockerfiles and multi-container setups.

Containers vs VMs

Dockerfiles

Docker Compose

Volumes

Private registries

Best practices

Modules 7–8

MODULE 07

CI/CD Pipelines

Continuous integration and delivery is the backbone of DevOps. You'll build real pipelines, not toy examples, that build, test, and ship code automatically.

Pipeline-as-code

Secrets management

Automated triggers

Multi-stage pipelines

Versioning strategy

MODULE 08

Cloud Platforms: AWS & Azure Essentials

The two most common clouds you'll meet in the field. You'll learn the core services well enough to design and provision real infrastructure, not just click through a console.

IAM

VPC / VNet

Compute (EC2/VMs)

Container registries

CLI provisioning

Modules 9–10

MODULE 09

Container Orchestration with Kubernetes

Kubernetes is where most container workloads end up living. This module takes you from your first cluster to confidently debugging production workloads.

Pods & Deployments

Services & Ingress

ConfigMaps & Secrets

Persistent storage

Namespaces

Helm

MODULE 10

Kubernetes on the Cloud

Running Kubernetes yourself is one thing; running it on a managed service is what most teams actually do. You'll provision and operate managed clusters end-to-end.

Managed K8s (EKS/AKS)

Cluster provisioning

Autoscaling

CI/CD to live cluster

RBAC

Modules 11–14

MODULE 11

Infrastructure as Code with Terraform

Manually clicking through consoles doesn't scale. You'll define infrastructure as code, repeatable, reviewable, and version-controlled.

Providers & state

Variables & outputs

Modules

Remote state

CI/CD integration

MODULE 12

Configuration Management with Ansible

Once infrastructure exists, it needs configuring. Ansible automates that consistently, without hand-editing servers one at a time.

Playbooks & roles

Inventory management

Dynamic inventory

Terraform integration

MODULE 13

Automation Scripting with Python

Not every task fits a dedicated tool. You'll learn enough Python to write your own automation, scripts that save hours, not just theory.

Python fundamentals

Cloud SDKs (Boto3)

Scheduled tasks

Error handling

MODULE 14

Monitoring & Observability

You can't fix what you can't see. This module covers building a real monitoring stack that catches problems before your users do.

Prometheus & Grafana

Alert rules

Notification channels

App-level metrics

BONUS MODULE

AI-Assisted Engineering

AI tools are becoming part of the everyday DevOps toolkit. This bonus module covers using AI responsibly to speed up troubleshooting, documentation, and automation, without losing the underlying understanding of what the system is actually doing.

[Where AI helps in DevOps workflows](#)[AI-assisted troubleshooting](#)[Reviewing AI-generated infra code](#)[Limitations & guardrails](#)

CERTIFICATION

Finish with a certificate anyone can verify.

On completion, you'll receive an official iCorporate certificate, the same QR-verified format used across every iCorporate credential. Anyone can confirm it's genuine at icorporate.net/verify, no account or login required.



Certified DevOps & Cloud Practitioner

ISSUED BY ICORPORATE • VERIFIABLE AT [ICORPORATE.NET/VERIFY](https://icorporate.net/verify)



Ready to start?

Email us to enrol or ask questions about the program, we reply within 1 business day.

admin@icorporate.net

ACCRA

Abelenkpe Road, 40
Accra, Greater Accra Region, Ghana

BERLIN

Biebricher Str. 15
12053 Berlin, Germany