empowers Academy

CLOUD & DEVOPS SPECIALISATION · 6 MONTHS · ONLINE

Cloud Computing & DevOps Programme

Become a cloud-native infrastructure engineer. Master AWS, Azure and Google Cloud, containerisation with Docker and Kubernetes, Infrastructure as Code, and full CI/CD pipeline automation — building production-grade systems from day one.



- **CLOUD PLATFORMS**
- **DOCKER & KUBERNETES**
- **INFRASTRUCTURE AS CODE**
- **CI/CD AUTOMATION**

6 MONTHS
26-WEEK INTENSIVE

5+1
CORE MODULES + CAPSTONE

10+
PORTFOLIO PROJECTS

4
INDUSTRY MENTORS

WHY CHOOSE EMPOWERS ACADEMY

Cloud Skills. Real Infrastructure. Real Outcomes.



Empowers Academy's Cloud Computing & DevOps programme is a mentor-led, hands-on track built for one outcome: turning learners into industry-ready Cloud/DevOps engineers. Our cohorts are intentionally small (~8–10 learners), our mentors are practising cloud engineers who ship production pipelines every week, and our curriculum is built cloud-agnostic — AWS, Azure and Google Cloud together — with DevOps tooling at the core from week one, not as an afterthought.

8–10
LEARNERS PER COHORT

4
DEDICATED MENTORS

180
DAYS OF GUIDED LEARNING

1:1
MENTORSHIP & REVIEWS

empowers Academy
WHY CHOOSE THIS COURSE

WHY LEARNERS CHOOSE US

Small, Mentor-Led Cohorts

No lecture halls of 500. Every learner is known by name, reviewed personally and pushed individually.

Cloud-Agnostic From Day One

Learn AWS, Azure and GCP together with Terraform and Docker, so you're never locked into a single vendor.

Ship Real Pipelines

Every module ends with a deployed, working deliverable. You graduate with live infrastructure, not just slides.

Lifetime Community

Alumni network, hiring-partner referrals, and continued mentor access even after you're placed.

PROGRAMME AT A GLANCE

From First Command to Production Pipeline



A hands-on, project-based journey through modern cloud infrastructure and DevOps engineering. Five core modules take you from Linux and cloud fundamentals through core cloud services, containerisation, Infrastructure as Code and CI/CD automation, into monitoring and production engineering — then a 1.5-month capstone where you ship a real, self-healing pipeline.

- 6 Months · 26 Weeks
- 15–18 hrs / week
- 100% Online & Flexible
- Live + Self-Paced
- Cloud-Agnostic Curriculum
- No Prior Coding Needed

Format

Live mentor-led sessions with recordings, structured self-paced labs, and weekly pipeline checkpoints.

Who It's For

Students, graduates and career changers from any background. The programme starts from zero and moves fast.

How You'll Learn

Build-first pedagogy: every concept is introduced through an infrastructure problem, then reinforced in engineering labs.

Where It Leads

Cloud, DevOps, platform and SRE roles — with a deployed, monitored infrastructure portfolio to prove it.

Programme promise: graduate with a GitHub portfolio of 10+ real infrastructure projects, one live capstone pipeline, and the engineering judgement to build, automate and secure cloud-native systems.

CLOUD & DEVOPS SPECIALISATION

Five Core Modules + 1.5-Month Capstone

Each module builds directly on the last,
ending with a shipped deliverable for your portfolio.



1	**Foundations of Cloud, Linux & DevOps** Linux, Git/GitHub workflows & cloud computing fundamentals	Weeks 1–4
2	**Cloud Platforms & Core Services** AWS, Azure & Google Cloud: compute, storage, networking & IAM	Weeks 5–8
3	**Containerisation & Orchestration** Docker, Kubernetes & microservices at scale	Weeks 9–12
4	**CI/CD & Infrastructure as Code** Jenkins, GitHub Actions, Terraform & Ansible	Weeks 13–17
5	**Monitoring, Security & Production Engineering** Prometheus, Grafana, logging & DevSecOps practices	Weeks 18–21
★	**Live Capstone Project** A complete, automated cloud pipeline — designed, built & shipped	1.5 Months

KEY HIGHLIGHTS

Everything Included In Your Programme



- 6 Months
- Live Classes
- Hands-on Labs
- 10+ Projects
- Capstone Project
- Resume Building
- Mock Interviews
- Placement Assistance

HOW YOU'LL LEARN

A Week in the Programme

Every week follows the same rhythm: learn live, practise in labs, build your pipeline, and get reviewed by a mentor. Consistency compounds — 26 weeks of this rhythm produces engineers.

Live Mentor Sessions

Concept deep-dives and live building with your mentor. Interactive, recorded, and built around real infrastructure problems.

Engineering Labs

Structured hands-on labs after every session — you provision or automate the same day you learn the concept.

Code & Infra Reviews

Weekly personal reviews from mentors, exactly like a professional platform engineering team.

DevOps-First Workflow

Use Docker, Terraform and Kubernetes in every lab — and learn to verify, refactor and own the infrastructure you ship.

Project Checkpoints

Every module ends with a graded, deployed deliverable that goes straight into your portfolio.

1:1 Mentorship

Personal guidance on progress, blockers and career direction throughout the 180-day journey.

Time commitment: 15–18 hours per week — roughly 2 live sessions, 3 lab blocks and one project/review block. Evenings and weekends friendly.

1 Foundations of Cloud, Linux & DevOps

Weeks 1–4
Deliverable: Deployed Static Website

Module goal: understand how cloud infrastructure fits together, get comfortable with Linux and the command line, and learn the Git/GitHub workflows every engineering team relies on.

LINUX & VERSION CONTROL

- Linux file systems, shell commands & permissions
- Bash scripting fundamentals
- Git branching, merging & pull requests
- GitHub workflows from day one
- Thinking like an engineer: problem decomposition

CLOUD COMPUTING FUNDAMENTALS

- IaaS, PaaS & SaaS explained
- Public, private & hybrid cloud models
- Foundations across AWS, Azure & Google Cloud
- Identity & Access Management (IAM) basics
- Principle of least privilege, roles & permissions

ENGINEERING LABS

Set up your Linux + cloud dev environment · publish your first repository · deploy a static website to the cloud in week 4.

You'll be able to

Navigate a Linux system, use Git confidently and deploy your first project to the cloud.

Tools

Linux · Bash · Git · GitHub · AWS · Azure · Google Cloud

2 Cloud Platforms & Core Services

Weeks 5–8

Deliverable: Provisioned Cloud Network



Module goal: go hands-on with the core services every cloud platform offers — compute, storage, networking and security — across AWS, Azure and Google Cloud.

CORE CLOUD SERVICES

- Virtual machines & compute instances
- Object & block storage
- Virtual networks, subnets & load balancers
- Auto scaling & monitoring basics
- Cloud security fundamentals

WORKING ACROSS PROVIDERS

- AWS core services (EC2, S3, VPC, IAM)
- Azure fundamentals & resource groups
- Google Cloud core services
- Comparing providers: choosing the right fit
- Cost awareness & free-tier usage

ENGINEERING LABS

Deploy a website on AWS · configure IAM roles & policies · build a virtual network with subnets and a load balancer.



You'll be able to

Provision, secure and network cloud infrastructure confidently across AWS, Azure and Google Cloud.

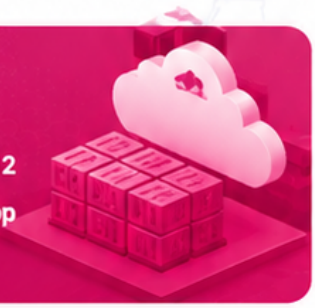
Tools

AWS | Azure | Google Cloud | IAM | VPC / Networking

3 Containerisation & Orchestration

Weeks 9–12

Deliverable: Kubernetes-Deployed App



Module goal: package applications into portable containers and learn to orchestrate them reliably at scale with Kubernetes.

DOCKER & CONTAINERS

- Docker images & containers explained
- Writing Dockerfiles & multi-stage builds
- Container networking & volumes
- Docker Compose for multi-container apps
- Debugging containerised applications

KUBERNETES & MICROSERVICES

- Kubernetes architecture: Pods, Deployments, Services
- Scaling & self-healing applications
- ConfigMaps, Secrets & namespaces
- Microservices design patterns
- Orchestrating containers at scale

ENGINEERING LABS

Dockerize a web application · run it locally with Compose · orchestrate it on Kubernetes by week 12.



You'll be able to

Containerise any application and orchestrate it reliably at scale with Kubernetes.

Tools

Docker | Docker Compose | Kubernetes | kubectl

4 CI/CD & Infrastructure as Code

Weeks 13–17

Deliverable: Automated Deployment Pipeline



Module goal: automate builds, tests and deployments, and learn to provision entire environments through code instead of clicking through consoles.

CONTINUOUS INTEGRATION & DEPLOYMENT

- Build automation & CI fundamentals
- CI/CD pipelines with GitHub Actions
- Jenkins pipelines & build agents
- Automated testing in the pipeline
- Deploying automatically to the cloud

INFRASTRUCTURE AS CODE

- Terraform fundamentals & providers
- Managing state files safely
- Provisioning infrastructure with code
- Configuration management with Ansible
- Tearing down & rebuilding environments

ENGINEERING LABS

Build a CI/CD pipeline with GitHub Actions • provision infrastructure with Terraform • automate configuration with Ansible.



You'll be able to

Automate builds, tests and deployments, and provision cloud infrastructure entirely through code.

Tools

GitHub Actions | Jenkins | Terraform | Ansible

5 Monitoring, Security & Production Engineering

Weeks 18–21

Deliverable: Monitored Production System



Module goal: keep systems observable, secure and alive under real traffic — the production engineering practices that separate a working demo from a resilient product.

MONITORING & OBSERVABILITY

- Metrics, logs & traces explained
- Prometheus for metrics collection
- Grafana dashboards & alerting
- Centralised logging patterns
- Incident response & on-call basics

PRODUCTION & SECURITY ENGINEERING

- Security integration in the pipeline (DevSecOps)
- Vulnerability scanning basics
- Secrets management
- System health monitoring at scale
- Troubleshooting production systems

ENGINEERING LABS

Build a cloud monitoring dashboard · wire up alerting rules · integrate a security scan into your CI/CD pipeline.



You'll be able to

Monitor, secure and troubleshoot systems running in production with confidence.

Tools

Prometheus · Grafana · ELK Stack · Security Scanning

Live Capstone Project

Final 1.5 Months

Deliverable: Production DevOps Pipeline



The finale: six weeks to design, build and ship a complete, automated cloud pipeline — working like a real platform team, with mentor reviews and a public Demo Day.

WEEKS 1–2 · DESIGN & PLANNING

- Choose a real-world infrastructure brief
- Tracks: E-commerce, SaaS or Multi-cloud platform
- Architecture diagrams & system design
- Sprint planning & milestone definition

WEEKS 3–6 · BUILD, REVIEW & DEMO DAY

- Build a fully automated, self-healing pipeline
- Weekly mentor code & infrastructure reviews
- Deploy to production with CI/CD & IaC
- Present on Demo Day · final certification



Dedicated Mentor

A personal mentor guides your architecture, unblocks you and reviews every sprint.



Demo Day

Present your live pipeline to mentors, peers and invited reviewers from industry.



You'll graduate with

A live, deployed, monitored infrastructure pipeline — the centrepiece of your engineering portfolio.



Support

Dedicated Mentor · Code Reviews · Demo Day · Certificate

BUILD AS YOU LEARN

10+ Projects for Your Portfolio

Every project below is built, reviewed and deployed during the programme — a public, verifiable record of what

1. **Deploy Website on AWS**
   Your first shipped project, live on the cloud in week 4.
2. **Cloud IAM & Network Configuration**
   Roles, policies and a provisioned virtual network.
3. **Dockerized Application**
   A multi-container app packaged with Docker Compose.
4. **Kubernetes Deployment**
   Your Docker app orchestrated and scaled with K8s.
5. **Terraform Infrastructure**
   Cloud infrastructure fully provisioned as code.
6. **Ansible Configuration Automation**
   Automated configuration management across servers.
7. **CI/CD Pipeline**
   Automated build, test & deploy with GitHub Actions / Jenkins.
8. **Cloud Monitoring Dashboard**
   Live metrics and alerting with Prometheus & Grafana.
9. **Multi-Cloud Deployment**
   The same workload deployed across two providers.
10. **Production DevOps Project**
    A monitored, secured, end-to-end deployed system.

★ **Capstone: Live Automated Pipeline**
A complete cloud infrastructure project — designed, automated and live on the internet.



TECHNOLOGY STACK

The Complete Cloud & DevOps Toolkit

Everything below is used hands-on in labs and projects — not just mentioned on a slide.

Cloud & Compute

AWS · Azure · Google Cloud · Linux

Version Control & CI/CD

Git · GitHub · GitHub Actions · Jenkins

Containers & Orchestration

Docker · Kubernetes

Infrastructure as Code

Terraform · Ansible

Monitoring & Observability

Prometheus · Grafana

Design & Collaboration

VS Code · Postman · Notion

GENUINELY CLOUD-AGNOSTIC

Work Across All Three Major Clouds

Rather than teaching a single vendor, we train you to provision and reason about infrastructure across the platforms real employers run on.



Amazon Web Services

The world's most widely adopted cloud platform. Provision EC2 instances, S3 storage, VPC networks and IAM policies, and deploy real workloads using AWS Educate credits.

EC2 · S3 · VPC · IAM



Microsoft Azure

Microsoft's enterprise cloud platform. Learn resource groups, virtual networks and Azure's IAM model — essential for enterprise and hybrid-cloud roles.

Resource Groups · VNet · Azure IAM



Google Cloud

Google's cloud platform, covering core compute, storage and networking services — rounding out a genuinely cloud-agnostic, employer-ready skill set.

Compute Engine · Cloud Storage · VPC



Cloud-agnostic by design: labs use Terraform and Docker so the skills you build transfer cleanly between AWS, Azure and Google Cloud — no vendor lock-in.

THE AUTOMATION TOOLCHAIN

DevOps Tools You'll Use Every Week

The exact tools professional platform teams run in production — used hands-on from your very first lab.



Docker

Package applications and their dependencies into portable, consistent containers.



Kubernetes

Orchestrate, scale and self-heal containerised applications in production.



Terraform

Provision cloud infrastructure as code across any major provider.



Ansible

Automate configuration management and repeatable server setups.



Jenkins

Build and run flexible, self-hosted CI/CD pipelines and build agents.



GitHub Actions

Automate builds, tests and deployments directly from your repository.



Prometheus

Collect and query real-time metrics from every part of your system.



Grafana

Visualise metrics and wire up alerting dashboards that catch issues early.

LEARNING OUTCOMES

What You'll Walk Away With

By Demo Day, these aren't aspirations — they're demonstrated, reviewed and deployed capabilities.

Cloud Platform Mastery
Provision and secure infrastructure across AWS, Azure and Google Cloud.

Containerisation & Orchestration
Package and run applications reliably with Docker and Kubernetes.

Infrastructure as Code
Provision entire environments with Terraform and Ansible, not clicks.

CI/CD Automation
Build pipelines that test and deploy automatically on every commit.

Monitoring & Observability
Understand system health in real time with Prometheus and Grafana.

Production & Security Discipline
Run, secure and troubleshoot systems that survive real-world traffic.

CAREER OPPORTUNITIES

Roles this programme prepares you for.

- Cloud Engineer
- DevOps Engineer
- Cloud Administrator
- Infrastructure Engineer
- Platform Engineer
- Cloud Consultant
- Site Reliability Engineer
- Cloud Architect

Proof over promises: every outcome above maps to a deployed project in your portfolio that interviewers can open and inspect.

CAREER SUPPORT

From Graduation to Offer Letter

Career support runs alongside the curriculum from month four — so by the time you finish your capstone, your profile, portfolio and interview skills are already sharp.

- **Portfolio & GitHub review** — mentors polish your projects into an interview-ready portfolio
- **Resume & LinkedIn optimisation** — engineered for recruiter search and ATS screening
- **Mock technical interviews** — infrastructure design rounds and practical troubleshooting
- **Behavioural interview coaching** — telling your story with confidence
- **Hiring-partner referrals** — direct introductions through the alumni referral network
- **Salary negotiation guidance** — evaluate and negotiate offers with mentor support



Alumni Community

Lifetime access to the alumni network, meetups and continued curriculum updates after your 180-day window.



Continued Mentor Access

Career questions don't stop at graduation — neither does mentor access, even after placement.

CERTIFICATION

This Could Be Your Certificate

Every learner who completes the Cloud Computing & DevOps Programme graduates with a personalised, verifiable certificate of completion — real proof of the skills and production experience you'll walk away with, ready to share with recruiters.

Eligibility

- ✓ Open to students & graduates — any field
- ✓ Career changers welcome
- ✓ 15–18 hrs/week commitment
- ✓ No prior coding experience needed
- ✓ Laptop + stable internet connection

Certification Includes

- ✓ Empowers Academy Professional Certificate
- ✓ LinkedIn-verified credential
- ✓ GitHub portfolio of 10+ projects
- ✓ Capstone Demo Day recording
- ✓ Lifetime alumni network access



Sample only: issued to a learner from an earlier cohort. Names, dates and IDs are unique to each graduate and verified via the QR code on completion.

QR Verified

Scannable QR code confirms authenticity instantly.

LinkedIn Shareable

Add it to your profile as a verified credential.

Lifetime Accessible

Re-download anytime through the alumni portal.

ADMISSIONS

Four Steps to Your Seat

1 

Apply Online

Fill the short application at empowersacademy.com — it takes under 10 minutes.

2 

Counselling Call

A 1:1 call to understand your goals and confirm the programme is the right fit.

3 

Reserve Your Seat

Cohorts are capped at 8–10 learners. Confirm enrolment to lock your seat.

4 

Onboarding Week

Environment setup, cloud account access and a warm-up lab before Day 1.

FREQUENTLY ASKED QUESTIONS

Q. I've never coded or touched the cloud. Can I really do this?

Yes — the programme is designed from zero. Module 1 assumes nothing, and small cohorts mean mentors adapt to your pace.

Q. Do I need to buy AWS, Azure or GCP resources myself?

No. Labs run on free-tier and educational credits (such as AWS Educate and the GitHub Student Developer Pack), so you build real infrastructure without incurring cloud costs.

Q. Can I do this alongside a job or college?

Yes. Live sessions are scheduled for working learners and everything is recorded. Plan for 15–18 focused hours per week.

Q. What if I fall behind?

Your mentor spots it early and builds a catch-up plan with you. Recordings, labs and 1:1 support stay available throughout.

Q. Is the certificate recognised?

Your certificate is LinkedIn-verifiable — but your real credential is a public portfolio of deployed infrastructure interviewers can inspect.

empowers Academy

Your Cloud Engineering Career Starts This Cohort.

Seats are limited to 8–10 learners per cohort. Apply now and start building infrastructure that proves what you can do.

Apply at empowersacademy.com →

WEBSITE
empowersacademy.com

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admissions@empowersacademy.com

FORMAT
100% Online • Live • Self-Paced

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