

DevOps & CI/CD Engineering

Docker, Kubernetes, GitHub Actions, Terraform, monitoring. Automate everything from test to deploy.

blootou.com | sales@blootou.com

Program Overview

PRICE

\$5,600

DURATION

8 weeks

FORMAT

Live

LEVEL

Intermediate

Docker, Kubernetes, GitHub Actions, Terraform, monitoring. Automate everything from test to deploy. This professional track is structured for adult learners who need practical, career-relevant depth without academic abstraction. Delivered as a live experience, the course combines guided milestones, implementation reviews, and applied exercises aligned with modern AI, engineering, and technical leadership work.

Outcomes

- Automate build, test, and deployment pipelines end to end.
- Package and run applications in containers confidently.
- Understand infrastructure provisioning and cluster-based delivery.
- Improve release quality through observability and automated guardrails.

Includes

- 8 live weeks with hands-on pipeline and infrastructure labs.
- Docker, CI, and Terraform starter repositories.
- Operational runbooks for deployments and incident response.

- Monitoring checklist and modern release engineering workflow patterns.

Syllabus

WEEK 1

DevOps Systems Thinking

Understand delivery flow from commit to production and where automation adds leverage.

Topics: Delivery pipelines, DevOps culture, Release flow

WEEK 3

Containers and Runtime Packaging

Standardize application delivery with Docker and image design practices.

Topics: Dockerfiles, Images and registries, Runtime configuration

WEEK 5

CI/CD Pipelines and IaC

Automate validation, deployment, and infrastructure provisioning.

Topics: GitHub Actions, Terraform basics, Pipeline strategy

WEEK 8

Observability and Operational Excellence

Improve system reliability with monitoring, logging, and deployment discipline.

Topics: Metrics, Alerting, Rollback strategy

Instructor

Grace Sullivan

Grace leads release engineering and platform automation initiatives, with deep experience in reliable deployment systems and container platforms.

This Blotou Intelligence syllabus is an admissions overview for planning and evaluation. Final cohort dates, live session timing, assessments, and platform access details are shared in the welcome packet after enrollment.

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