

ENTERPRISE PROGRAM BRIEF

Software Delivery and DevOps Foundations

Deliver a small service through repeatable tests, deployment and rollback.

VNode ITeS

F08

DURATION

32 hours

LEVEL

Foundation

FORMAT

Private cohort

AUDIENCE PROFILE

Built for these roles

Developers entering AI delivery

OVERVIEW

Executive overview

Deliver a small service through repeatable tests, deployment and rollback. Proposed instructor-led duration; delivery subject to environment and lab validation.

READINESS

Prerequisites

- Can build, debug and test a small application

PROGRAM OUTCOMES

Capabilities your teams will gain

- Release a versioned application through the pipeline
- Block a failing candidate and verify a working rollback
- Protect pipeline identity, secrets and deployment scope
- Provide artifact traceability and an incident recovery runbook

ENTERPRISE CUSTOMIZATION

Enterprise customization

Tailor this program to your organization's priorities: Deliver a small service through repeatable tests, deployment and rollback.

- Private cohort scheduling
- Equivalent-experience entry review

CURRICULUM

Curriculum roadmap

1 MODULE 1 · 8 HOURS Maintainable application structure

Refactor a supplied service into a testable application structure.

- Modules and interfaces
- Configuration
- Dependency management
- Local development

2 MODULE 2 · 8 HOURS Testing and collaborative delivery

Add tests and resolve a reviewed change without bypassing checks.

- Unit and integration tests
- Mocks
- Branches
- Pull-request review

3 MODULE 3 · 8 HOURS Build and deployment pipelines

Build a pipeline that tests and packages the service with controlled deployment.

- CI checks
- Artifacts
- Environment configuration
- Secrets and permissions

4 MODULE 4 · 8 HOURS Release and recovery exercise

Release a version, diagnose a defect and restore the previous working release.

- Health checks
- Logs
- Versioning
- Rollback and ownership

PREPARATION

Environment prerequisites

Git repository and test application Code editor and supported runtime CI runner and approved test deployment target For O04: licensed coding-agent access, approved model usage and a local mock MCP/API tool Delivery depends on environment and lab validation. This outline does not include step-by-step lab instructions.

CAPSTONE

Capstone

Release a version, diagnose a defect and restore the previous working release. Assessed release and rollback runbook Evidence of relevant access, quality and risk controls Demonstration and limitations record

ASSESSMENT

Assessment

Scenario-based practical assessment Release a versioned application through the pipeline 30% Block a failing candidate and verify a working rollback 25% Protect pipeline identity, secrets and deployment scope 25% Provide artifact traceability and an incident recovery runbook 20% Proposed VNode outline-level assessment; no vendor accreditation or completed lab validation implied.

DELIVERABLES

Participant deliverables

- Assessed release and rollback runbook
- Evidence of relevant access, quality and risk controls
- Demonstration and limitations record

SCOPE

Scope boundaries

Step-by-step lab instructions; Runnable solution code; Packaged source datasets; Executed environment validation

DELIVERY

Delivery options

Count teaching hours, not calendar days. Exclude breaks. Split into 4-hour or 8-hour teaching sessions; schedule complex project work in contiguous blocks. Proposed hours exclude breaks and are subject to pilot validation.

PRIVATE DELIVERY

Plan a private cohort for your team

Scope delivery format, role mix, and rollout timeline with our solutions team.

[Plan Private Delivery](#)
[Book advisory call](#)