

Designing and Implementing Platform Engineering

This learning path is structured into five focused modules designed to equip learners with the essential knowledge and skills in platform engineering.

Duration: 8hrs

Module 1: Foundations of Platform Engineering

Objectives:

- Understand the core principles and purpose of platform engineering
- Explore how platform engineering enhances developer productivity
- Learn to design platforms that streamline the developer experience
- Discuss the strategic role of platforms in digital transformation
- Identify platform stakeholders and align with their goals

Module 2: Designing Secure and Scalable Platform Architectures

Objectives:

- Plan for scalable and resilient infrastructure
- Integrate security, compliance, and governance into design
- Optimize for cost and resource efficiency
- Leverage automation for consistency and scalability
- Balance flexibility with control in platform implementation

Module 3: Implementing Developer Self-Service

Objectives:

- Enable developer autonomy through self-service platforms
- Maintain security and compliance while offering flexibility
- Define guardrails to ensure operational consistency
- Streamline access to resources and tools
- Improve development cycles and innovation speed

Module 4: Observability and Continuous Improvement

Objectives:

- Monitor platform performance and detect anomalies

- Implement feedback loops for iterative enhancements
- Use observability data to improve platform usability
- Encourage a culture of experimentation and learning
- Align platform metrics with business objectives

Module 5: Strategic Platform Road Mapping

Objectives:

- Plan the future of the platform based on business needs
- Develop actionable platform strategies and milestones
- Stay ahead of technological trends and shifts
- Ensure platform adaptability and resilience
- Align roadmaps with organizational priorities and innovation goals