Google Professional DevOps Engineer





Online Course



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Google Professional DevOps Engineer

Course Modules



1. Bootstrapping a Google Cloud organization for DevOps

- Designing the overall resource hierarchy for an organization
- Managing infrastructure as code
- Designing a CI/CD architecture stack in Google Cloud, hybrid, etc.,
- Managing multiple environments (e.g., staging, production)

2. Building and implementing CI/CD pipelines for a service

- Designing and managing CI/CD pipelines
- Implementing CI/CD pipelines
- Managing CI/CD configuration and secrets
- Securing the CI/CD deployment pipeline

3. Applying site reliability engineering practices to a service

- Balancing change, velocity, and reliability of the service
- Managing service lifecycle
- Ensuring healthy communication and collaboration for oprations
- Mitigating incident impact on users
- Conducting a postmortem

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4. Implementing service monitoring strategies

- Managing logs
- Managing metrics with Cloud Monitoring
- Managing dashboards and alerts in Cloud Monitoring
- Managing Cloud Logging platform
- Implementing logging and monitoring access controls

5. Optimizing the service performance

- Identifying service performance issues
- Implementing debugging tools in Google Cloud
- Optimizing resource utilization and costs







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The efficiency of online learning in terms of time management, flexibility, and the ability to access resources anytime, anywhere can be compelling.



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