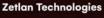# Red Hat Certified Specialist in OpenShift Application Development

Online Course

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- ✓ Flexible Schedule
- ✓ Peer Interaction
- ✓ Affordable Learning

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COURSE MODULES

Red Hat
Red Hat Certified
OpenShift Application Developer

1: Introduction to OpenShift:

- Overview of container orchestration and OpenShift
- Understanding the role of Kubernetes in OpenShift

2: Containerization Applications:

- Creating Docker containers for applications
- Working with container images and registries

3: Introduction to OpenShift Development:

- Overview of OpenShift development environments
- Setting up a development environment with OpenShift

4: Building and Deploying Applications:

- Creating and deploying applications on OpenShift
- Understanding deployment configurations and pods

5: Source-to-Image (S21) and Build Configurations:

- Using Source-to-Image for building and deploying app.
- Configuring and managing build processes

6: Application Scaling and Load Balancing:

- Scaling applications horizontally and vertically
- Configuring and managing load balancing in OpenShift

7: Persistent Storage and ConfigMaps:

- Managing persistent storage in OpenShift
- Using ConfigMaps for configuration management

8: Service Discovery and External Access:

- Configuring service discovery within OpenShift
- Managing external access to applications

9: Continuous Integration and Deployment:

- Implementing CI/CD pipelines in OpenShift
- Integrating OpenShift with CI/CD tools

10: Monitoring and Logging:

- Setting up monitoring and logging for applications
- Using OpenShift's built-in monitoring and logging tools

11: Security and Role-Based Access Control (RBAC):

- Implementing security best practices in OpenShift
- Configuring RBAC for access control