

Helidon Microservices Developers



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Online Course

Course Modules

1. Microservices Architecture

- Explain the Microservices architecture
- Describe the communication protocols for microservices

2. Introduction to Helidon SE and Helidon MP

- Identify the various Helidon flavors
- Describe Helidon SE features
- Describe Helidon MP features

3. Helidon Application Building and Packaging

- Explain the key concepts for building and packaging
- Identify the characteristics of Helidon applications
- Describe the containerization of Helidon applications

4. Helidon SE

- Introduce Helidon SE basic API
- Explain reactive programming in Helidon



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5. Helidon MP

- Define MicroProfile
- Explain the role of MicroProfile in Helidon

6. Helidon Configuration

- Explain the MicroProfile Config API
- Explain MicroProfile Config concepts
- Deploy Config with Kubernetes

7. Observability in Helidon

- Explain observability concepts
- Explain the observability APIs

8. Security for Helidon

- Describe the key security features
- Explain authentication and authorization concepts
- Describe the key Helidon security features



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9. Data Access in Helidon MP

- Understand data access in Helidon
- Describe the data access API in Helidon MP

10. Service to Service Communication with Helidon

- Identify the client types in Helidon
- Use fault tolerance with service-to-service communication

11. Testing Helidon Applications

- Explain the general testing strategies
- Describe Helidon specific testing

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