

Certificate in Microservices Architecture



Certificate in Microservices Architecture

Microservices is the new approach to developing software which is cloud-native and offers many benefits of granularity, lightweight, and high reusability amongst applications with similar process. Microservices architecture focuses on breaking an application into smaller independent components thus offering scalability, ease in adding new features or resolving new issues.

Why should one take this certification?

Companies are now moving from a monolithic to microservices architecture and early adopters have provided an unprecedented level of control and speed to their customers, and Netflix is a leading example.

Vskills Certificate in Microservices Architecture delves into the intricacies of the microservice's architecture and multiple scenarios are presented for better grasping microservices usage. Serverless computing and DevOps are also covered to advance your understanding.

Vskills certificate is a proof of your skills and knowledge in understanding and application of microservices architecture.

Who will benefit from taking this certification?

Software Developers, Software Development Engineers, Team leads, Senior Software Engineers, IT managers benefit immensely by opting for Vskills Certificate in Microservices Architecture to gain an edge in the latest software development and stand out amongst their peers and are able to make progress in their respective careers.

Students taking the certification also gain by showcasing their understanding of microservices architecture and are able to increase their job opportunities.

Test Details

• **Duration:** 60 minutes

• No. of questions: 50

• Maximum marks: 50, Passing marks: 25 (50%)

There is no negative marking in this module.

Fee Structure

Rs. 2,499/- (Excludes taxes)*

*Fees may change without prior notice, please refer http://www.vskills.in for updated fees

www.vskills.in

Companies that hire Vskills Certificate in Microservices Architecture Professionals

Microservices is the widely used and accepted architecture for software development, there is a huge demand for certified professionals all across the globe. Companies like Google, Flipkart, IBM, Accenture, Fiserv, Mindtree, Dell, Infosys, Tech Mahindra, etc are looking for certified professionals.

Table of Contents

1. Microservices Basics

- 1.1 What and Why of Microservices?
- 1.2 Conway's Law
- 1.3 What is Coupling and Cohesion in Microservices?
- 1.4 Microservices and Domain-Driven Design

2. <u>Developing Microservices</u>

- 2.1 Microservices and Continuous Integration
- 2.2 Microservices and Automated Deployment
- 2.3 Microservices and Continuous Delivery

3. Microservices Integration

- 3.1 Microservices Integration Methods
- 3.2 Using gRPC Interface
- 3.3 Async Microservices
- 3.4 Microservices Monitoring and Logging
- 3.5 Microservices Monitoring

4. Scaling Microservices Architecture

- 4.1 Introduction to Scaling and Load Balancing
- 4.2 What is Service Discovery
- 4.3 Cloud Auto-Scaling
- 4.4 Service Mesh and API Gateway for Scaling

5. Serverless Architectures

- 5.1 What is Serverless Computing
- 5.2 Serverless Applications Lifecycle
- 5.3 Developing Serverless Applications

6. Microservices Design Practices

- 6.1 Microservices Design and Boundaries
- 6.2 Microservices Environment
- 6.3 Microservices and Polyglot Programming
- 6.4 Persistence in Microservices
- 6.5 Real World Microservices Examples

Certifications

➤ Accounting, Banking & Finance - Certified GST Professional

- Certified AML-KYC Compliance Officer
- Certified Business Accountant
- Certified BASEL III Professional
- Certified GAAP Accounting Standards Professional
- Certified Treasury Markets Professional

▶ Big Data

- Certified Hadoop and Mapreduce Professional

▶ Cloud Computing

- Certified Cloud Computing Professional

> Design

- Certified Interior Designer

Digital Media

- Certified Social Media Marketing Professional
- Certified Inbound Marketing Professional
- Certified Digital Marketing Professional

Foreign Trade

- Certified Export Import (Foreign Trade) Professional

> Health, Nutrition and Well Being

- Certified Fitness Instructor

> Hospitality

- Certified Restaurant Team Member (Hospitality)

▶ Human Resources

- Certified HR Compensation Manager
- Certified HR Staffing Manager
- Certified Human Resources Manager
- Certified Performance Appraisal Manager

> Office Skills

- Certified Data Entry Operator
- Certified Office Administrator

▶ Project Management

- Certified Master in Project Management
- Certified Scrum Specialist

> Real Estate

- Certified Real Estate Consultant

➤ Marketing - Certified Marketing Manager

> Quality

- Certified Six Sigma Green Belt Professional
- Certified Six Sigma Black Belt Professional
- Certified TQM Professional

Logistics & Supply Chain Management

- Certified International Logistics Professional
- Certified Logistics & SCM Professional
- Certified Supply Chain Management Professional

>Legal

- Certified IPR & Legal Manager
- Certified Labour Law Analyst
- Certified Business Law Analyst
- Certified Corporate Law Analyst

➤ Information Technology

- Certified Angular JS Professional
- Certified Basic Network Support Professional
- Certified Business Intelligence Professional
- Certified Core Java Developer
- Certified E-commerce Professional
- Certified IT Support Professional
- Certified PHP Professional
- Certified Selenium Professional

Mobile Application Development

- Certified Android Apps Developer
- Certified iPhone Apps Developer

> Security

- Certified Ethical Hacking and Security Professional
- Certified Network Security Professional

►Management

- Certified Corporate Governance Professional
- Certified Corporate Social Responsibility Professional
- Certified Leadership Skills Professional

> Life Skills

- Certified Business Communication Specialist
- Certified Public Relations Officer

> Media

- Certified Advertising Manager
- Certified Advertising Sales Professional

> Sales, BPO

- Certified Sales Manager
- Certified Telesales Executive

& many more job related certifications

Contact us at: V-Skills

011-473 44 723 or info@vskills.in

www.vskills.in