Global Skill Development Council

Certified Full Stack Developer (CFSD)

GSDC's Certified Full Stack Developer certification is for students, working professionals, and Information Technology enthusiastic so they can show their achievement and expertise in Software Development.

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ABOUT CERTIFICATION

This certification standout from the rest because we cover a vast array of technology, including coding languages and platforms, from which a developer will be able to choose to code and develop an application/program.

GSDC's Full Stack Developer certification covers the core knowledge required for anyone who wants to gain software developing/coding skills in Java, Python, C#, and many more. The foremost focus of this certification syllabus is to provide a globally recognized accreditation to people who are working or wants to work in the software development domain. It reports the learning outcomes related to this certification and describes the criteria that learners need to meet and demonstrate that these outcomes or skills have been achieved at this certification level.

OBJECTIVES

- To know the working understanding of software development.
- To know the tools and best practices in software development.
- To enhance your programming and technical skills.
- How to write error-free code.
- How to test and debug software and web application.
- Use of the latest tools and concepts in application development.

Our Accreditation:

ANSI
American National Standards Institute

The Global Skill Development Council (GSDC) is the leading third-party, Vendor neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member.
The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

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ABICB

COURSE SYLLABUS

1.Introduction to Software Development:

- Key concepts
- Software Architecture
- Software Development Methodologies
- Requirements Capturing and Software Design
- Supporting Activities and Professional Practice

2. Introduction to Programming:

- Developer Tools
- Programming Basics
- Programming Languages and Paradigms

3.Object-Oriented Programming:

- Introduction to Object-Orientation
- Pointers, References
- Object-Oriented Class Design
- Inheritance
- Polymorphism and Multiple Inheritance
- Lifecycle of an Object
- Java Collections / C# Empty Lists
- Python Collections Interface
- Object Comparison
- Error Handling
- Connect to a Database
- Design Patterns
- Algorithms, Data Structures,
- Writing Maintainable Code

4.Front End Development:

- Key Concepts and Principles
- HTML
- Cascading Style Sheets (CSS)
- Bootstrap
- HTML/ CSS Application and Quality Assurance
- JavaScript/jQuery
- XML
- Web Storage
- API
- Web Publishing and Hosting
- User Accounts and Security

5.Databases Management:

- Key Terms/Definitions
- Database Design
- SQL
- RDBMS

6. Web-Based Development:

- Introduction to Web Development
- Server-Side Code of a Web-Application (e.g. Servlets-JSP (for the Java stream) / ASP (for the C# stream) Node.js and ExpressJS (for the JavaScript stream) / Django (for the Python stream))
- REST Architecture
- Server-Side MVC Framework (Spring for Java, ASP.NET for C#, Sails for JavaScript, Django for Python)
- JavaScript (JS) Frameworks

7.Software Testing & Debugging:

- The Testing Cycle & Software Testing Tools
- Types of Software Testing
- Testing Levels & Debugging Techniques

8. UI & UX:

- The Design Process
- visual design basics
- usability testing

9. Customer-Centric Skills:

- Interpersonal Skills
- Communication
- Agile Culture
- Team Management
- Teamwork
- Scrum
- IT Service Management (ITSM)

GSDC Technical Advisory Board :

The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

Target Audience

GSDC's Full Stack Developer Certification aims at those who want to pursue a career in software development. People who want to understand the fundamentals of software development and gain technical skills to become entry-level full-stack developers.

Pre-requisites

There are no such prerequisites for this Certification. Anyone who is interested in Software Develop and enrolls for this certification.

Find out more online at
www.gsdcouncil.org