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Learning Style: On Demand

Technology:

Difficulty: Beginner

Course Duration:

Node.js Application Development (LFW211)

About this Course:

This course provides core skills for effectively harnessing a broad range of Node.js capabilities at depth, equipping you with rigorous skills and knowledge to build any kind of Node.js application or library. While by design the training content covers everything but HTTP and web frameworks, the crucial fundamentals presented

prepares the student to work with web applications along with all types of Node.js applications. This includes command line tools, real-time applications, network applications, desktop applications, build tools and more.

Course Objectives:

This course provides core skills for effectively harnessing a broad range of Node.js capabilities at depth, equipping you with rigorous skills and knowledge to build any kind of Node.js application or library. While by design the training content covers everything but HTTP and web frameworks, the crucial fundamentals presented prepares the student to work with web applications along with all types of Node.js applications. This includes command line tools, real-time applications, network applications, desktop applications, build tools and more. By taking this course, students will be fully prepared for the OpenJS Node.js Application Developer Certification (JSNSD) and acquire pragmatic knowledge and core skills that accelerate both Node.js productivity and career growth

Audience:

This course is for those starting out in web application development who want to gain more practical skills and improve their abilities. The course is also useful for web application developers preparing for the JSNAD certification exam. Only a basic knowledge of the command line is required

Prerequisites:

- There are no pre-requisites for this exam

Course Outline:

Chapter 1. Course Introduction

Chapter 2. Setting Up

Chapter 3. The Node Binary

Chapter 4. Debugging & Diagnostics

Chapter 5. Key JavaScript Concepts

Chapter 6. Packages & Dependencies

Chapter 7. Node's Module System

Chapter 8. Asynchronous Control Flow

Chapter 9. Node's Event System

Chapter 10. Handling Errors

Chapters 11. Using Buffers

Chapter 12. Working with Streams

Chapter 13. Interacting with the File System

Chapter 14. Process & Operating System

Chapter 15. Creating Child Processes

Chapter 16. Writing Unit Tests

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