CERTIFIED NODE.JS DEVELOPER

Duration: 5 Days

COURSE OVERVIEW

This comprehensive course is designed to empower you with the knowledge and practical skills necessary to become a proficient and certified Node.js developer. Node.js is a powerful tool that allows developers to build fast and scalable server-side applications using JavaScript. It's used to create everything from web servers and APIs to real-time applications and command-line tools.

You will embark on a learning journey that takes you from foundational principles to advanced techniques, enabling you to build robust and efficient backend systems.

In this course, you'll explore the core concepts of Node.js, including asynchronous programming, modules, file system operations, and networking. You'll learn how to build APIs, handle data, and create scalable server applications.

This course emphasizes hands-on learning, providing you with practical exercises and real-world scenarios to solidify your understanding. You'll gain expertise in managing data, handling requests, and optimizing performance. You'll also learn how to effectively integrate Node.js with databases and other services.

By the end of this course, you'll be equipped to build complex, scalable server-side applications with confidence, utilizing the full potential of Node.js. You'll understand how to deploy and maintain Node.js applications, ensuring optimal performance and security.
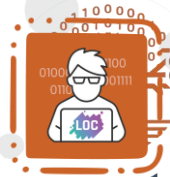
Upon successful completion, you will earn your certification, validating your expertise and enhancing your career prospects in the competitive field of backend development. This course will provide you with the tools and knowledge needed to create modern, efficient, and reliable server-side solutions.

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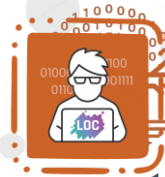
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WHAT YOU WILL ACCOMPLISH

✓ Understanding Node.JS Environment

✓ Setting Up for Node.JS Development

✓ Working on Node Package Manager(NPM)

✓ Working on Express Framework

✓ Working on Middlewares for use in Express

✓ Working on Node.JS File System

✓ Working on Node.JS Cryptography

✓ Working on Node.JS Streaming

✓ Understanding REST API in Node.JS

✓ Working on POSTMAN

✓ Working on CRUD REST API in Mongoose and MongoDB

✓ Working on CRUD REST API in Sequalize and MySQL

✓ Working on Unit Testing in Node.JS

✓ Working on REST API JWT Authentication and Security

✓ Working on Node.JS Real-Time Application

✓ Working on Node.JS Deployment to Cloud

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WHY THIS COURSE

Taking Certified Node.JS Developer course can bring several advantages to your development journey.

- Node.js uses JavaScript, the most widely used programming language for the web. This allows developers to write both the client-side and server-side in a single language, creating a more cohesive and efficient development process.

- Node.js utilizes a non-blocking, event-driven architecture. This allows it to handle I/O operations asynchronously, without blocking the execution of other tasks. As a result, Node.js can efficiently handle tasks that involve network operations, file system operations, or database queries. This asynchronous nature enables better performance and responsiveness in REST APIs, as it can process multiple requests concurrently without waiting for I/O operations to complete.

- Node.js is well-suited for building real-time applications and APIs that require instant communication and updates. With technologies like Socket.io, developers can easily implement real-time features like chat functionality, live notifications, and collaborative editing. This real-time capability makes Node.js a preferred choice for building interactive and dynamic REST APIs.

- Node.js has a large and active community of developers, which means there is a wealth of resources, tutorials, and community-driven support available. The community continuously contributes to the development of frameworks, libraries, and tools, ensuring that Node.js remains up-to-date and relevant in the rapidly evolving web development landscape.
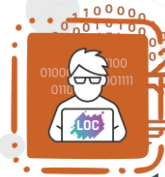
Overall, taknig Certified Node.JS Developer equips you with a sought-after skill in the industry ranging from startups to big tech companies that are using Node.js for their back-end development, and offers opportunities for personal and professional growth in the web development field.

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WHO SHOULD ATTEND

The Certified Node.JS Developer course is designed for individuals who are interested in advancing their skills and expertise in Node.js development. The course is suitable for:

- Web developers who want to expand their knowledge and capabilities in server-side development can greatly benefit in this course.

- Full-stack developers who want to strengthen their proficiency in both frontend and backend development can find value in this course.

- JavaScript developers looking to specialize in backend development and work with Node.js can attend this course to gain in-depth knowledge and practical skills.

- Recent computer science graduates or individuals with a technical background who want to kickstart their careers as Node.js developers can consider attending this course.

- Individuals working in other technology domains who wish to transition into Node.js development can attend this course to acquire the required knowledge and practical skills. It can help them pivot their careers and tap into the growing demand for Node.js developers.
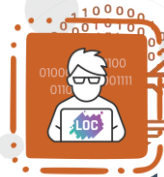
This course is designed to be accommodative to learners of various skill levels,or with specific backgrounds or roles. Anyone with an interest in Node.js development, a passion for learning, and a desire to enhance their skills can attend this course and benefit from the comprehensive curriculum, and hands-on exercises.

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COURSE PREREQUISITE

To effectively learn Certified Node.JS Developer course, it is beneficial to have a basic understanding of the following prerequisites:

- Basic computer knowledge, including how to use a keyboard, mouse, and navigate the file system.

- Proficiency in using the command line interface (CLI) is important as you'll be working with command-line tools and running scripts during the development process.

- Familiarity with basic commands for navigating directories, creating files, and executing commands is beneficial.

- Having a basic understanding of web development concepts, including HTML, CSS, and HTTP protocols, can be helpful. This foundational knowledge allows you to better grasp the concepts of building web applications and REST APIs using Node.js.

- While not strictly mandatory, prior programming experience, especially in a language like JavaScript or another object-oriented language, can facilitate your understanding of programming concepts and logic.

- Basic of JavaScript like creating functions and loops

- Working experience of JavaScript ES6 is NOT REQUIRED, it will be covered in this course

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