

Web Development

Skill overview

+ Web Development

Overview

+ Web Applications Concepts

– Client Tier

Objectives: Client Tier ✓

Client tier overview ✓

What is a web server? ✓

What is HTML? ✓

What is CSS? ✓

What are JavaScript and Ajax? ✓

What is Node.js?

Node.js is a stand-alone JavaScript run time and server-side JavaScript solution. It provides a high-performance, highly scalable, event-driven environment with non-blocking I/O that is programmed with the familiar JavaScript programming language.

Node.js uses the JavaScript programming language for server-side applications. Instead of running scripts in a web browser, the node application interprets and runs JavaScript applications on a server. Node.js works on an event-driven model; that is, it responds to events through callback functions that Node.js calls when an operation completes.

The Node.js system is gaining popularity among cloud and mobile developers because it meets their needs. Although Node.js is particularly adept at fulfilling the role of an orchestrator between application clients and server-side REST services, it is not limited to this role. In addition, the rich system of user-written modules that

client and server side is appealing to many development teams.

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