



Description of the course (English):

Your Gateway To Become A Full-Stack Developer In 8 Weeks.

Become an expert Full stack Developer with comprehensive knowledge of the latest developing frameworks and languages. Our instructor-led training is a proven way to enter the booming tech industry. Join our Full-Stack Developer Bootcamp for excellent career advice from our industry experts and mentors.

Full-Stack Developer Bootcamp Benefits:

The CCS Learning Academy Full-Stack Developer Bootcamp is built to prepare students for their careers in web development, software development, and other development-related profiles.

Our comprehensive Full-Stack Web Development Bootcamp will teach you the proper ways to build your own dynamic website. You will be able to create data-driven web applications.

Gathering knowledge about HTML, CSS, JavaScript, and Node.js can greatly help you to begin your career in this competitive IT profession. Mentioned below are a few benefits of Bootcamp full-stack developer online:

- The Day 1 of this course will give you basic insights into website building, and other frameworks.
- We are offering an Instructor-led class that will prepare you to become an active developer in the present competitive market.

- With our course, we can guide you to re-skill your proficiency in both front and back technology under the guidance of our industry experts.
- Also, you will be able to master data flows and gather knowledge about data storage in all the back-end domains.
- With hands-on experience on LIVE projects, you can master the key technologies and have complete knowledge of the latest development requirements.

URL of Course: [Full Stack Developer Bootcamp | CCS Learning Academy](#)

Cost: \$6,995 USD

(Student Financing Option Available- Learn more about our student financing partner, [CONAPE](#))

Mode: Virtual

Duration: 8 Weeks

Name: FULL-STACK DEVELOPER BOOTCAMP

Course Contents:

Module 1: HTML & CSS

- Intro to HTML
 - Basic Nesting Practices, Indentation
 - The Head & Body
 - Body Tags (lists, tables, etc.)
 - Building Forms & Declaring Input Values
 - Containers, Elements, Attributes, & Classes
- Intro to CSS
 - CSS Selectors & Declarations
 - Inspecting Element
 - Inline, Block, Float, and Positioning
 - Div Layout & Formatting
 - Styling Text & How Fonts Work
 - Using Properties & Backgrounds
 - Replicating Complete User Interfaces
- Intro to CSS3 & More Styling
 - Building Shapes
 - Constructing Complex Tables
 - Intro to Bootstrap
 - CSS Preprocessors, LESS, & SASS

Module 2: Git/Github

- Git & Version Control
 - Using Terminal Commands

- How to Create & Utilize a Repository
- Making, Tracking, & Reverting Changes
- Git Workflow Overview & States
- Advanced Git Commands & Concepts
- Branching, Merging, & Conflicts
- Github
 - How to Use a Github Repository
 - Forking, Cloning, & Pulling
 - Github Collaboration & Workflow

Module 3: jQuery

- Intro to jQuery
 - jQuery Functions & Debugging
 - Parameters & Getters/Setters
 - Essentials of the jQuery Library
- Advanced jQuery
 - Implementing Dynamic Content
 - Callbacks in jQuery
 - Traversing DOM Elements
 - Forms in jQuery
 - jQuery UI Library & More Libraries

Module 4: Responsive Web Design

- Intro to Responsive Web Design (RWD)
 - Breakpoints, Units, & Media Queries
 - Basics to Typesetting & Scaling
 - Cross-device RWD
 - Grid System, Fluid Grids, & Adaptive Layouts
- CSS Frameworks
 - Responsive Typography
 - Using CSS Reset & Boilerpoint

Module 5: Java Programming - OOPS, Data structures

- Intro to Object-Oriented Programming
 - Creating Objects & Classes
 - Methods, Member Variables & Constructors
 - Overloading & *this*
 - Inheritance & Packages
- Advanced Java OOP
 - Use of Static
 - Interfaces & Abstract Classes
 - Annotations

- Java Beans
- Data Structures
 - Doubly Linked Lists
 - Tries

Module 6: Java Web Development & Java Spring

- Java on the Web
 - Servlets & Web Containers
 - Query Parameters
 - Java Servlet Pages
 - Light MVC Patterns
 - Session & POST Patterns
- Java Spring
 - Spring Fundamentals
 - Spring Overview
 - Spring Tool Suite
 - Intro to Spring Boot
 - Spring MVC Apps
 - Spring Data I & II
 - MySQL Connections
 - Repositories & Spring Data – JPA
 - Persistent Model Annotations
 - Relationships
 - Advanced Queries
 - Spring Security
 - Spring Security Overview
 - Authentication & Authorization
 - Servlet API Integration
 - Spring MVC Integration

Module 7: Javascript

- Fundamentals
 - Declaring & Referencing Variables
 - Variable Hoisting in JavaScript
 - Conditionals, Operators, & Nested Loops
 - Using Arrays & Loops in JavaScript
 - Objects, Functions, & Function Scoping
 - Variable Hoisting with Scoping
 - Return Statements in JavaScript
 - Function Hoisting
- JavaScript OOP
 - How to Use Object Constructors
 - Common Constructors: 'This' & 'New'
 - Private Methods & Variables
 - Creating Prototype Objects in JavaScript

- Best Practices for JavaScript OOP
- Advanced JavaScript
 - How to Use Callbacks
 - Delegating Functionality & Event Handling

Module 8: NodeJS

- Installation and configuration of Node.js
- Using npm to install and manage modules
- Working with the V8 Engine
- Building HTTP servers and HTTP clients
- Synchronous and asynchronous design patterns
- Building Node.js applications
- Storing application data in NoSQL databases
- Working with Web application frameworks such as Express
- Testing and Debugging Node.js applications
- Using Node.js core modules
- Using the Node.js event system and event emitters
- Interacting with the file system using buffers and streams
- Using Node.js networking API's to build internetworked applications
- Creating and consuming RESTful Web services

Module 9: Express JS

- Discuss Request Processing
- Define Response Rendering
- Render Templates With Express View Engines
- Explain Data Handling
- HTTP Methods: Forms, Data Transfers, & Routing
- Describe REST API

Module 10: Angular JS (MEAN)

- Why Angular?
- Deep Dive into TypeScript
- Working with Angular CLI
- Nine Building blocks of Angular (Birds Eye View of Angular)
- Angular modules
- Components
- Templating
- Interpolation
- Directives
- Pipes
- Forms
- Dependency Injection
- Routing and Navigation

- RxJs Primer
- Interfacing with backend services and APIs using HttpClient
- Level up with Angular
- Testing
- Deployment
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Module 11: MySQL / MongoDB

- Intro to MySQL
 - Database Design & Relationships
 - Entity Relationship Diagrams (ERD)
 - Database Normalization
 - MySQL Workbench & Querying
 - Conventions & Common Data Types
 - How to Use ERDs
 - Using a Database with Your UI
 - Recreating ERDs*
- MongoDB & Mongoose
 - MongoDB Overview, CRUD Ops
 - Intro to Mongoose
 - Dependencies in Mongoose
 - Mongoose Communication with MongoDB
 - Mongoose Methods
 - Data Validation with Mongoose
 - Create Associations Between Mongo Objects
 - RESTful Routing with Mongoose & Express

Module 12: Capstone Project

Students work with instructors to come up with solo project concepts and spend dedicated time building truly sophisticated applications on their own. Students receive plenty of instructor feedback along the way while diving deep into various advanced technologies needed to bring their concepts to life.

Career Success

- Career Success: Preparing for the Job Search
- Building a network and using it to Land Interviews
- Career Success: Resume, Cover Letter, LinkedIn Review
- Career Success: Interview Prep (Technical and Non-Technical)
- Mock Interviews
- Graduation