

Back-End JavaScript Literacy @ Cisco Systems, Bangkok
Sept 25 - 29, 2017

Schedule

Monday

8:30 - 9:30	Introductions and Setup
9:30 - 9:45	Lecture and Demo - Client/Server and Command Prompt
9:45 - 10:15	Lab - Working with the Command Shell
10:15 - 10:30	Lecture - How the Web Works
10:30 - 10:45	Break
10:45 - 11:15	Lab - Configure a Web Server
11:15 - 11:30	Lecture - The Web Platform (HTML/CSS/JS) Optional: Intro to HTML & CSS
11:30 - 12:00	Lab - Working with Chrome Dev Tools
12:00 - 1:00	Lunch
1:00 - 1:30	Lecture - Intro to JavaScript
1:30 - 1:45	Lab - Using JSBin
1:45 - 2:00	Break
2:00 - 2:30	Lecture - Variables and Operators
2:30 - 2:45	Lab - Chrome Dev Tools JS Console
2:45 - 3:00	Lab - Working with Arrays
3:00 - 3:15	Break
3:15 - 3:30	Lecture - Functions and Objects
3:30 - 4:30	Lab - Using JS Objects

Tuesday

8:30 - 9:00	Lecture - HTML DOM
9:00 - 9:30	Lab - DOM Manipulation
9:30 - 10:00	Lecture - Popular JS Libraries
10:00 - 10:15	Break
10:15 - 10:30	Lab - Using jQuery
10:30 - 10:45	Lab - Ajax with jQuery
10:45 - 11:00	Lecture - REST
11:00 - 12:00	Lab - JSON and REST and Spark Rooms
12:00 - 1:00	Lunch
1:00 - 2:00	Lab - Functions and Spark Rooms
2:00 - 2:15	Break
2:15 - 2:45	Lecture - Git
2:45 - 3:30	Lab - Using Git

Wednesday

8:30 - 8:45	Lab - Initialize npm
8:45 - 9:00	Lecture - npm
9:00 - 9:30	Lab - Using npm
9:30 - 10:00	Lab: Gulp
10:00 - 10:15	Break
10:15 - 10:30	Lecture - Static Code Analysis + JS Style
10:30 - 11:00	Lab - Linting
11:00 - 12:00	Lab - Debugging JS with Chrome Dev Tools
12:00 - 1:00	Lunch
1:00 - 2:00	Lecture - Test Driven Development
2:00 - 2:15	Break
2:15 - 3:15	Lab - Jasmine + Writing Tests
3:15 - 3:30	Break
3:30 - 4:00	Lecture - Modularity

Thursday

8:30 - 9:30	Lecture - Intro to Node.js
9:30 - 10:00	Lab - Intro to Node
10:00 - 10:15	Break
10:15 - 10:30	Lab - Asynchronous Code
10:30 - 11:00	Lecture - Modules
11:00 - 11:15	Lab - Making a Web Server
11:15 - 11:30	Lecture - Modularizing Your Code
11:30 - 12:00	Lab - Creating Modules
12:00 - 1:00	Lunch
1:00 - 1:30	Lecture - Events and Streams
1:30 - 2:00	Lab - Working with Streams
2:00 - 2:15	Break
2:15 - 2:45	Lab - Pipes
2:45 - 3:00	Lecture - Process Object
3:00 - 4:00	Lab - The Process Object

Friday

8:30 - 9:00	Lecture - Promises
9:00 - 9:30	Lab - Promises
9:30 - 10:00	Lecture - Node on the Web
10:00 - 10:15	Break
10:15 - 11:00	Lab - Getting Data with HTTP
11:00 - 12:00	Lab - Making a Bot
12:00 - 1:00	Lunch
1:00 - 2:00	Lab - Making a Hello World Bot
2:00 - 2:15	Lecture - Testing with Node
2:15 - 3:00	Lab - Unit Testing with Assert

3:00 - 3:15

Lecture - Express

3:15 - 4:00

Lab - Express