



Node & React Evening Course

June 7th - July 28th
Tues, Thurs
6pm - 9pm



Mike Maloney

"I attended the weekend coding workshop to become more familiar with Node JS and programming in general. The course was highly technical yet relaxing and light at the same time. Coming from someone who has tried to learn coding on my own, their team's knowledge and over the shoulder help maximized the session for everyone in the room. If we were on our own, the majority of our time would be spent debugging and making minor steps forwards. At the workshop, we were not debugging, we were creating real world projects. Stop debugging. Join the Full Stack Team!"

Node & React Evening Course

Overview

Intro

The Node & React Evening Course is an 8-week part time program that takes students from basic JavaScript programming all the way through deploying a full-stack web application on a cloud hosting provider. Students will learn best practices using industry standard tools to build a scalable application utilizing cutting-edge technologies such as Node JS, React JS with ES6, Redux, Express, MongoDB and more.

Goal

The primary goal of the course is to introduce students to the key skills required for building a full stack web app using Node and React. The instructors are professional engineers with experience working at both startups and development agencies. Professional relevance is the primary objective of the curriculum, and therefore focuses on the type of real work a junior developer would encounter.

Outcome

There is no greater way to demonstrate your skill than building & deploying an entire web application. Your final project will be a fully functional mobile-responsive web-based application intended to showcase the skills you learned in the bootcamp. As you meet with prospective employers, you will have the final project to show in your portfolio.

Course Outline

Unit 1 - JavaScript Fundamentals, HTML/CSS

- Variables, objects, methods, properties
- Object Oriented Programming
- HTML elements
- CSS styling
- Bootstrap
- DOM mutations with JS
- JS events

Unit 2 - Node JS, Express, MongoDB

- The Express framework for Node
- Node Package Manager
- Client-Server Architecture
- Model-View-Controller
- HTTP Requests
- JSON
- MongoDB and Mongoose

Unit 3 - REST API's

- Principles of RESTful design
- GET, POST, PUT, DELETE
- Model-specific controllers
- Querying our database
- Error handling
- Defining our endpoints

Unit 4 - React

- React View Components
- Component lifecycle methods
- Nested components
- Communicating between components
- State vs Props
- Handling user interaction in components
- React based styling
- Using third party components
- Webpack, Babel, Gulp
- Writing React in ES6

Unit 5 - Redux, Server-Side React

- Unidirectional data flow with Redux
- Actions, Dispatcher, Stores, Utils
- Making API calls to your backend
- Updating app state with Flux
- Server actions vs View actions
- Server-side rendering
- Performance optimization

Unit 6 - User Flow

- Maintaining user profiles
- Logging in, sessions, cookie storage
- Logging out



Paul Kim

"I worked with Dan Kwon about 3 years ago when I was picking up iOS development. In addition to basics, he strongly emphasized areas that are highly applicable professionally - consuming REST APIs, major third-party libraries, version control, and so on. He helped me get ready to be an iOS professional, not just a programmer."

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Beyond the Course

The Node & React curriculum is designed to give beginners a boost into programming over a short period. Beyond the course, students will be in an excellent position to continue their studies either independently or with FS360's more advanced courses.

Well beyond the course, we will continue to advocate for our Web Immersive graduates. We have staff strictly dedicated to finding opportunities and connecting graduates to startups, dev shops, and corporate positions. Our co-working location will also be available for continued use for up to three months after the course. If you need to brush up on certain skills or just want to meet new people, graduates are always welcome to stop by.