



Master

Course Packet





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## Find your Mojo at Coding Dojo

### ■ You have the grit. Now seize the glory.

The Coding Dojo Bootcamp preps you for success. Our onsite curriculum is unique because not only do we teach you 3 full stacks instead of one -- we teach you how to learn. So you can eat code for breakfast.

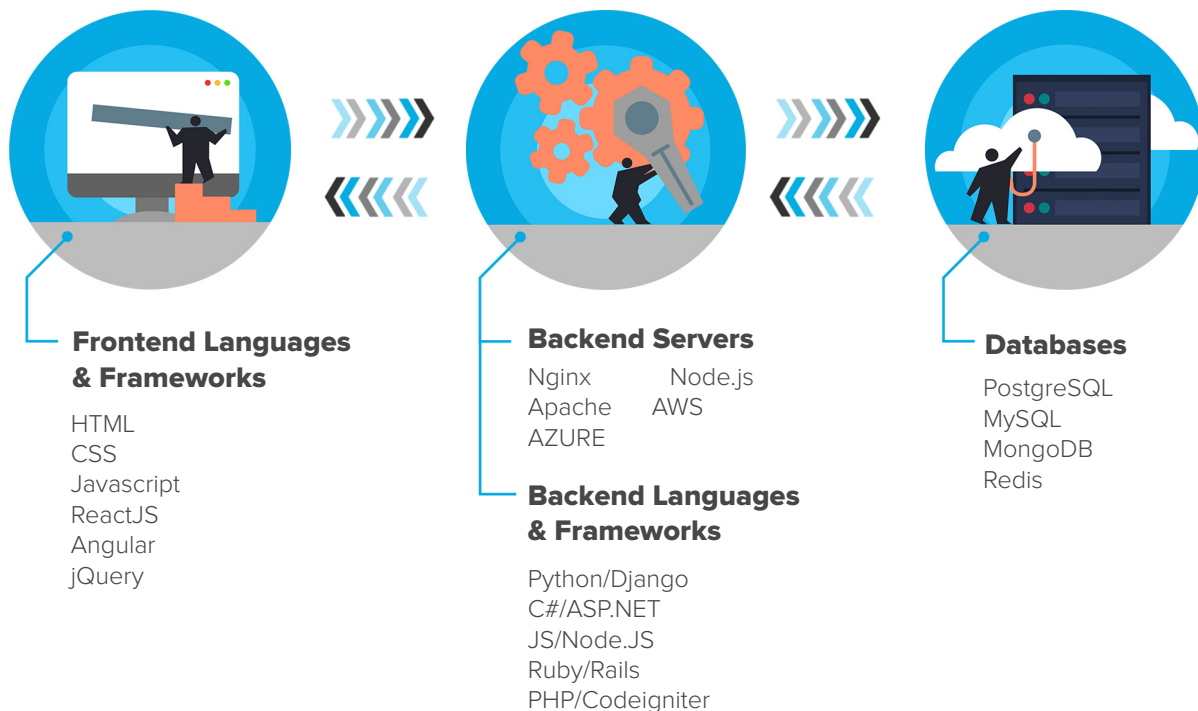
You will graduate our bootcamp as a coding ninja. You'll unlock 3 times the opportunities with your knowledge of 3 stacks, and you'll learn to be fast and nimble at learning new languages that companies highly prize.

### ■ Become a Code Whisperer

How you ask? We have honed our curriculum over and over — and over — for 10 years. We've cracked the code (literally) on [how to teach 3 full stacks](#), rigorously and thoroughly, in the time it takes other bootcamps to teach one. More than that, we enable you to master any new language — fast. Our teaching methodology is unique and the value we deliver is unparalleled.

A full stack is a set of software components needed to create a complete web application - the front-end, back-end, and databases.

## Full Stack Development



Coding Dojo is the only onsite coding bootcamp that teaches you 3 full stacks during the length of the course.

Technologies	Coding Dojo	General Assembly <i>Web Dev Immersive</i>	App Academy <i>Immersive</i>	Bloc <i>Web Developer Career Track</i>	Thinkful <i>Full Stack Flex</i>
<b>Frontend Languages &amp; Frameworks</b>					
• HTML	✓	✓	✓	✓	✓
• CSS	✓	✓	✓	✓	✓
• Javascript	✓	✓	✓	✓	✓
• ReactJS	✓	✓		✓	✓
• Angular	✓	✓			
• jQuery	✓				
<b>Web Servers</b>					
• Nginx	✓				
• Apache	✓				
<b>Developer Tools</b>					
• AZURE	✓				
• AWS	✓				
• Git	✓	✓	✓	✓	✓
<b>Backend Languages &amp; Frameworks</b>					
• Python/Django	✓	✓			
• C# / ASP.NET	✓				
• JS/Node.JS	✓	✓		✓	✓
• Ruby/Rails	✓	✓	✓	✓	
• Java	✓				
• iOS	✓				
<b>Databases</b>					
• PostgreSQL	✓				
• MySQL	✓	✓	✓		✓
• MongoDB	✓	✓			✓
• Redis	✓				



## Jumpstart Your Career

If you're serious about starting a career in tech, but lack the formal education or background, we'll get you there in a fraction of the time and cost of a traditional program.

On a national scale, 90%\* of our alumni land a job in 180 days after graduating, with an average salary of \$76,000 per year.

*\*Published in February 2018, this is based upon a survey that was sent to alumni who graduated between January 2015 and October 2017. Out of the respondents, 94% are employed full time in field. 75% of alumni find jobs within 3 months.*

### ■ Financing Options

We believe everyone has the right to a great education. You have many financing options available to you. We encourage you to explore them all and figure out what will work best for your situation. To help our students on their path to advancing their career, we've partnered with [Skills.Fund](#) to provide preferred financing rates for Coding Dojo students. We also offer a range of scholarships designed to lower the financial barriers for students of all backgrounds. Visit the 'Scholarships' section of our [Onsite Coding Bootcamp](#) or [Online Coding Bootcamp](#) program pages to learn more.

### ■ Strong Alumni Network

Our graduates work at some of the best companies in the world.



## ■ Anyone can learn to code

People new to programming rarely come polished or prepackaged. It doesn't matter if you're self-taught, have an impressive degree, or took ten years off to raise your kids. At Coding Dojo, we believe that anyone can learn to code and excel at it. Our expertise is unlocking the potential in every one of our students, no matter their experience level.

Our bootcamp provides the structure and support you need to harness your drive and determination to master the skills you need to become a Full Stack Developer. We give you the tools to become a confident and self-sufficient coding developer.

## ■ Hear our graduates describe their experience



### The Career Changer

Sara Wong | HR Background

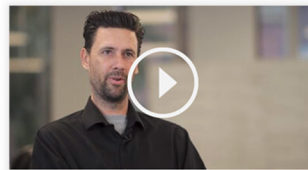
"I wouldn't have been able to grow as a developer the same way if I had gone to another bootcamp"



### The CS Graduate

Matt Tucker | CS Background

"By the first month, you start to realize I can already build stuff... I didn't get that in college"



### The Veteran Developer

Justin Fisher | Developer for 20 Years

"You can spend months trying to learn this stuff on your own, or you can come here and get it right away"



### The Designer

Tamara Solarzano | Marketing

"I didn't even know how to write a line of code. I just kept building... until I was doing really complicated things"

## ■ Prepare to grow

This isn't an easy program. It's an [intense immersive bootcamp](#) that requires grit, perseverance, and long hours of hard work. Your instructor and fellow programmers will be your tribe for the length of the course. You will laugh together, work hard together, problem solve together, and forge lifelong friendships over late night coffee and snacks. If you're up for a rewarding challenge, we want to meet you.

# Let's Get Started!



## Onsite Bootcamp

### Curriculum

Web Fundamentals  
Python  
MEAN  
Ruby on Rails  
iOS  
C#/.NET  
Java

### Structure

3 Full Stacks  
14 weeks  
50-80 hours/week  
9am-5pm (students generally commit 10 hrs/day,  
5 days/week, Monday - Friday)

The [Onsite Bootcamp](#) is the most hands-on and intensive program that we offer. Our goal is to train you into a self-sufficient, versatile developer through our 3 Stack Curriculum. In 14 weeks, you'll learn 3 in-demand stacks in the industry, have a solid portfolio to show employers, and have triple the job prospects, as every company uses a different stack.

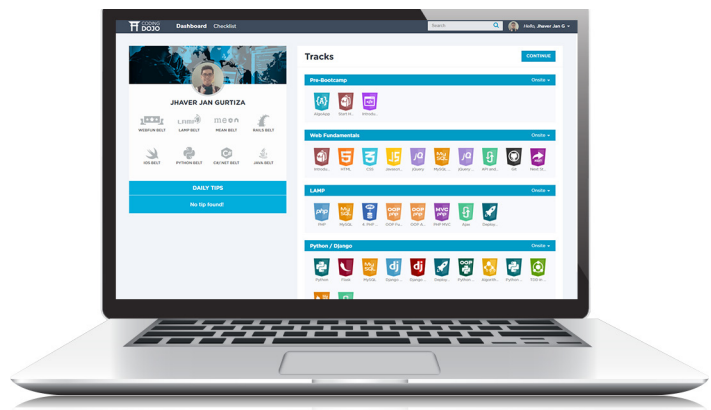
You'll start coding from day one on campus. You'll start with the fundamentals of front-end development, then transition to mastering the [Python stack](#), and two additional stacks where you'll learn to build apps from scratch.

### ■ Instruction Support

Students will have access to instructor support from Monday to Friday during office hours. We strongly believe in collaborative learning and encourage you and your fellow students to work together and support each other as you go through the program.

In the morning you'll start with new curriculum that will build on top of what you learned the day before. Depending on the day, your morning may include an algorithm session, lecture, group activity, or a combination of all three.

Your afternoons and nights will be spent working through course content, assignments, and projects on the new curriculum for the day, with breakout sessions available upon request.



You will also have 24/7 access to Coding Dojo's exclusive online learning platform.

Our full curriculum with 100+ hours of content

- ✓ Video tutorials
- ✓ Reading materials
- ✓ Quizzes



## Career Services

All our students have access to our [Career Services program](#). Our team will work closely with you to give you the training and support you need to achieve your career goals.



## Career-Long Support

Our alumni continue to have access to a broad range of Career Services programs for the entire length of their career as a developer. We want to be there at every step to help you succeed in your career goals.

- ✓ Take short online and onsite courses to learn new skills or brush up on existing skills
- ✓ Attend online and onsite guest speaker series
- ✓ Take soft skills training such as negotiating a raise, managing a team, influencing your manager's decision-making
- ✓ Attend exclusive hiring events with companies
- ✓ Tap into our broad alumni base for networking opportunities



Schedule one-on-one sessions with our Career Advisor team



Get help honing your resume, interviewing, and whiteboarding skills



Create a portfolio of full-stack applications to show to employers



Attend exclusive job-hunting online workshops



Participate in exclusive hiring events with companies



Tap into our broad alumni base for networking opportunities



Attend online guest speaker events and tech talks to stay current about the industry

“As we grow, we will absolutely be keeping you guys in mind when looking to recruit new coding stars!”



Brendan Kuhlman, Creative Director at MyHopScot






## ■ Facilities

Most of our facilities have extended hours to allow you to come in early or stay late. All students are provided monitors at their workstations. The facilities offer a complimentary coffee and snack bar, a fully-equipped kitchen for meals, an immersive learning environment filled with like-minded individuals, and

## ■ Commitment

Daily attendance is essential to your experience. You will need 80% attendance to class and being present to 9AM Algorithm Sessions. Students are expected to dedicate at least 50 hours/week to the program, with the most successful students dedicating 50-80 hours/week. Our students often say that Coding Dojo is the most rewarding, yet difficult thing they've ever done.

## ■ Essentials to Success

 Personal laptop to work on during the program	 Pass the admissions interview	 Willing to dedicate at least 50 hours/week to the program
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\* Check out the [Full Master Catalog](#) for more details about our courses, policies, and procedures.

# Make Your Move!

Growth and success. Everyone wants it. But sometimes, life gets in the way. Coding Dojo has a proven reputation for unlocking the potential of their students and transforming them into successful, full-stack developers. The game of life is tough. Elevate your competitive agility with Coding Dojo.

**Apply Now**

[www.codingdojo.com/apply](http://www.codingdojo.com/apply)



Week 1 - 2

## Web Fundamentals

Start the program by learning the fundamentals of front-end development.



Week 3 - 6

## Full Stack 1

You'll enter the world of back-end development by starting with the [Python stack](#).



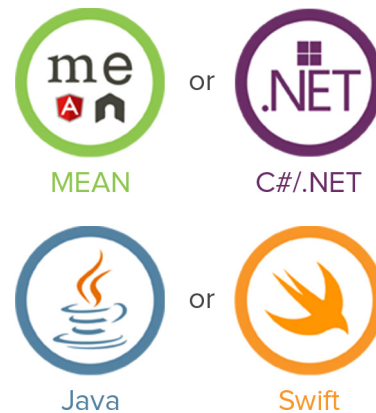
Week 7 - 10

## Full Stack 2

Week 11 - 14

## Full Stack 3

Your second and third stacks will be [MEAN](#), [C#/.NET](#), [iOS Swift](#) or [Java](#)\*



\*Stack choices depend on the program type and location.

## Online Bootcamp

### Curriculum

Web Fundamentals  
Python  
MEAN or C#/.NET

### Structure

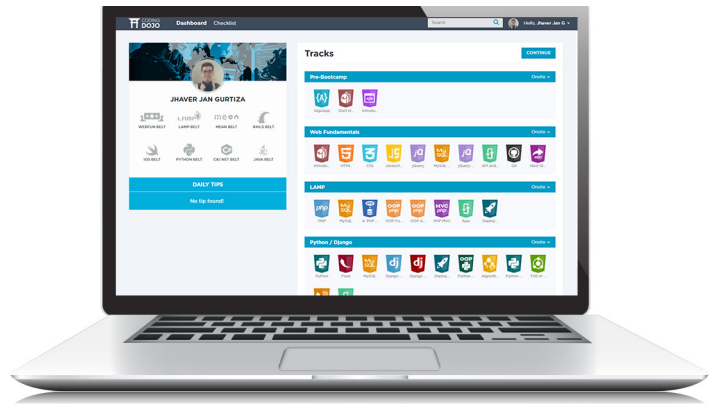
2 Full Stacks  
20 weeks  
30-35 hours/week

The [Online Bootcamp](#) is an ideal alternative for students who are looking to kick-start a career in web development but are unable to attend our on-campus programs. In the first 12 weeks, you'll start with the fundamentals of front-end development, and afterwards transition to mastering the [Python](#) software stack. Next, you'll have an additional eight weeks of access to our online learning platform to learn the stack of your choice: [MEAN](#) or [C#/.NET](#)

### ■ Instruction Support

Students receive direct support from our instruction team and utilize our industry-leading online platform to complete hands-on projects and master the curriculum. Instructional support is delivered through live online lectures, set office-hours for feedback and questions, real-time TA support, video chat and more. In the evenings, access our remote instructor support through our Mattermost channel.

We strongly believe in collaborative learning and encourage you and your fellow students to work together and support each other as you go through the program.



You will also have **24/7** access to Coding Dojo's exclusive online learning platform.

Our full curriculum with **100+** hours of content

- ✓ Video tutorials
- ✓ Reading materials
- ✓ Quizzes

## ■ Career Services

All our students have access to our [Career Services program](#). Our team will work closely with you to give you the training and support you need to achieve your career goals.



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Our alumni continue to have access to a broad range of Career Services programs for the entire length of their career as a developer. We want to be there at every step to help you succeed in your career goals.

- ✓ Take short online and onsite courses to learn new skills or brush up on existing skills
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Schedule one-on-one sessions with our Career Advisor team



Get help honing your resume, interviewing, and whiteboarding skills



Create a portfolio of full-stack applications to show to employers



Attend exclusive job-hunting online workshops



Participate in exclusive hiring events with companies



Tap into our broad alumni base for networking opportunities



Attend online guest speaker events and tech talks to stay current about the industry

“

I have always found the graduates of the Coding Dojo to be well prepared and knowledgeable about the technologies they have studied. I've worked with them on many projects and they have always delivered.”

**FMFA inc.** Fred Fowler, Founder & CEO at FMFA, Inc.



## ■ Commitment

Students are expected to dedicate at least 30-45 hours/week to the program, with the most successful students dedicating 40-45 hours/week. Our students often say that Coding Dojo is the most rewarding, yet difficult thing they've ever done.

## ■ Essentials to Success

 <p>Personal laptop or desktop computer to work on during the program</p>	 <p>Willing to dedicate at least 30-35 hours per week to the program</p>	 <p>Successful completion of the pre-course work and <a href="#">Coding Dojo's Algorithm Challenges</a></p>
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\* Check out the [Full Master Catalog](#) for more details about our courses, policies, and procedures.

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Week 1 - 4

## Web Fundamentals

Start the program by learning the fundamentals of front-end development.



Week 5 - 12

## Full Stack 1

Pick up [Python](#) as your first stack and enter the world of back-end development.



Week 13

## Gap Week

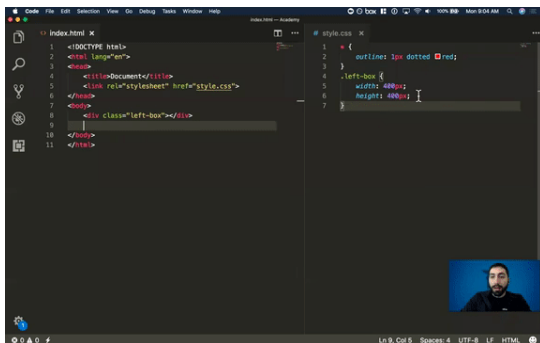
Week 14 - 21

## Full Stack 2

Your second and third stacks will be [MEAN](#), [C#/.NET](#).



## Live Learning Sessions



Live learning sessions are held twice a week. The schedule will be determined by your instructor upon the first day. These live sessions are recorded and available to be watched at any time after they are recorded.

Weekend lectures every week provide a look back at the work you and your classmates accomplished that week, and highlight some of the topics that will be covered in the upcoming weeks.



## Technologies

HTML/HTML5  
CSS/CSS3  
Algorithms  
Basic Javascript  
jQuery  
Git & Github  
AJAX & APIs  
MySQL  
Terminal  
Responsive Web Design\*  
LESS & SASS\*  
SQL  
Jasmine (TDD)

## Topics Covered

Front-end Development  
Frameworks & Libraries  
Wireframes & Mockups  
Code Version Control  
HTTP Request/Response Cycle  
Dynamic Content  
MySQL  
ERDs and Relational Databases



Python  
MySQL  
Flask  
Ajax  
APIs  
jQuery  
Django\*  
PostgreSQL\*  
UnitTest (TDD)

OOP in Python  
SQL Queries & ERD Diagrams  
Web Security Basics  
CRUD Operations  
MVC Framework & Design Patterns  
Application Deployment  
Object Relational Mapper\*  
Web Crawler\*  
Scaling Web Apps\*



Advanced  
Javascript  
MongoDB  
Express  
Angular  
Node  
NPM  
Socket.IO  
Bower\*  
TypeScript\*

OOP  
AJAX & APIs  
MVC Patterns  
Creating JS Libraries  
Single Page Applications  
Real-time Applications  
NoSQL DB Design  
RESTful Routing  
AWS Deployment  
Front-end MVC Frameworks



C#  
.NET Core  
My SQL  
ASP.NET Core  
ASP.NET Core MVC  
Microsoft Identity  
Microsoft Azure  
Entity Framework  
Dapper ORM

OOP in C#  
Object Relational Mapper  
AJAX Requests  
API Service  
MVC Framework & Design Patterns  
Authentication/Authorization  
Deployment to Azure  
Web Host LINQ Query  
Web Security

\*Optional topics available



Java

## Technologies

Java  
 Spring Boot  
 JSP  
 Servlets  
 JSTL  
 BCrypt  
 Spring Security  
 Spring Data-JPA  
 Spring Tool Suite  
 MySQL  
 Spring MVC

## Topics Covered

Basic Java  
 Object-oriented programming concepts.  
 Pillars of OOP  
 Creation of a model-view-controller with Servlets, JSPs, and Java Beans  
 Spring Boot  
 Spring Security  
 Multi-view web applications ReSTful API  
 Authentication  
 Algorithms in JavaScript.\*

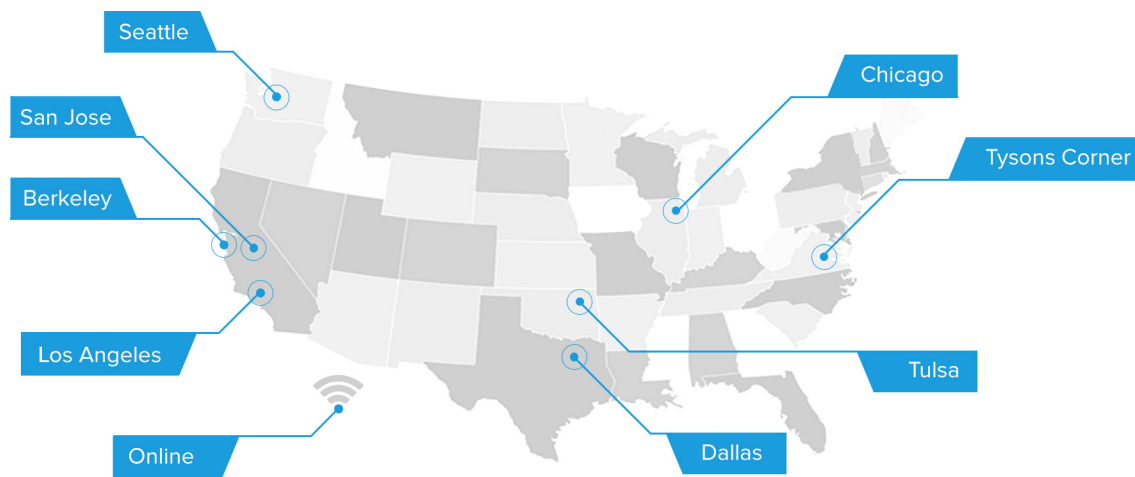
\*Optional topics available



## Come Meet Us

Come meet our team at a campus near you, find out more about online program at an online info session, or just give us a call. We'd love to answer any questions you may have.

### Check out our Campuses



Visit a Campus

[www.codingdojo.com/visit-our-campus](http://www.codingdojo.com/visit-our-campus)

Check out the [Full Master Catalog](#) for more details about our courses, policies, and procedures.



Give us a  
**Call or Email Us**

  
codingdojo.com