

3 FULL STACK CURRICULUM

Software Development

Full-Time Online

16+ weeks, 70-90 hours/week**Full-Time**
class commitment**Career Path Focus**
built into curriculum**Learn by Doing**
real projects, real datasets

Join our 13,000+ global alumni and kickstart your career path in tech.

Program Overview

Your career path into software development begins on your first day of class. Within 16 weeks, you'll study to become a self-sufficient, versatile developer who has the critical skills to pursue a career path in tech.

Anyone can learn to code, but the path to becoming a developer isn't easy. Most successful students dedicate 70-90 hours/week to bootcamp diving deep into their studies and building friendships along the way.

You'll start coding from day one. At Coding Dojo, our learning environment fosters collaboration and deep learning; not competition.



Up Next: The Whole Curriculum

The Whole Curriculum



Week One

Programming Basics

To kickoff the program, you'll explore habits, computer basics, and fundamental programming concepts and skills necessary to be successful in your bootcamp!

What You'll Focus On:

- Basic computer literacy
- Algorithmic foundations
- Learning stamina

Weeks Two to Four

Web Fundamentals

You'll then move to Web Fundamentals—a three week course that starts with the basics to provide a good overview before jumping into specific languages.

What You'll Focus On:

- HTML
- CSS
- Git/Github
- jQuery (optional)
- Wire-framing (optional)

Weeks Five to Eight

Python Full Stack

We'll then dive into our first full stack language: Python. We'll start slow with small projects, then work our way up to designing a full framework project with your instructor and classmates.

What You'll Focus On:

- Python Fundamentals
- Python OOP
- MySQL
- Flask
- MVC
- Deployment

Weeks Nine to Twelve

Javascript Full Stack

Mid-program, we'll start on Javascript—You'll examine a wide-range of applicable formats and projects to help you get ready for real-world application.

What You'll Focus On:

- JavaScript
- Node.JS
- Express.JS
- [Socket.io](#)
- MongoDB
- React
- Deployment

Weeks Thirteen to Sixteen

Java Full Stack or C#/.NET Stack

At the very end, you'll make a choice to study Java or C#/.NET the last four weeks of the course.

What You'll Focus On (Java):

- Java
- Java Fundamentals
- Java OOP
- Java Web Development
- Java Spring
- Deployment

OR

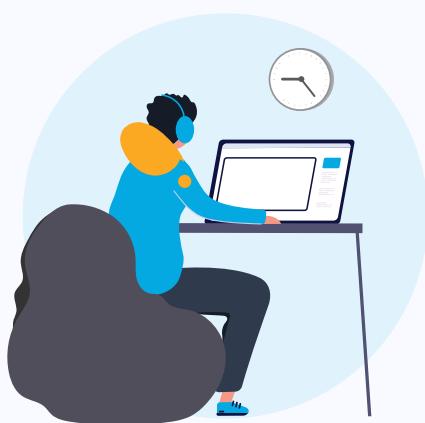
What You'll Focus On (C#/.NET):

- C#/.NET
- C# Fundamentals
- C# OOP
- [ASP.NET](#) Core
- Object Relational Mapping (ORM)
- Identity Framework Core
- Deployment



Up Next: A Day in the Life

An Example Day's Schedule in a Full-Time Program



Morning

8:50 AM - 9 AM Login to Zoom session for morning Algorithms
10 AM Recap Algos & Discussion Lecture
11 AM Group Activities & Setting the Day's Expectations

24/7 Cohort Access

Your access to our LEARN Platform and Discord is available 24/7. Access your materials at whatever time you need them.

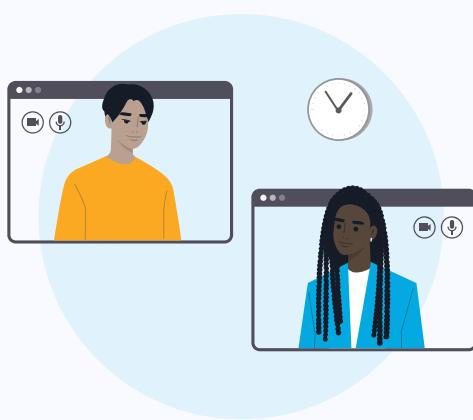
Self Study

Most students dedicate 70-90 hours a week to self-study, though you may need more or less depending on your learning style and experience.

Lectures

Live participation is held

Monday - Friday from 9am - 5pm MST. Students should plan for 12+ hour days with 8 hours of instruction.



Mid-Morning

12 PM Enjoy lunch!
1 PM - 5 PM Labs including demos, code reviews, and extra sessions



Evening

Additional Assignments & Self-Study
5 PM - 9 PM Complete daily assignments, read lessons for following day

Optional Office Hours

Need more assistance understanding a concept? Optional office hours are held Monday - Friday when class is in session an hour prior to the morning kickoff between 8am - 9am MST.



Up Next: Let's Dive Into the Stacks!

Let's Dive Into the Stacks!

What does 3 stack mean?

A **stack** refers to a programming language, and when we refer to ‘full stack’, we mean you’ll study every facet of that programming language.



Stack One: Python

Python is one of the most popular languages in the industry¹. Its diversity, adaptability, and easy-to-master basics makes it the perfect language to start with at bootcamp.

What Python is used for:

- Web Applications
- Web Development
- Machine Learning
- Data Science
- Cloud Infrastructure



Stack Two: Javascript

JavaScript is ideal for building dynamic websites and applications. It runs on every application level making it an efficient, modern approach to web development.

What Javascript is used for:

- Web Applications
- Mobile Applications
- Game Development
- Web Servers
- Animation



Stack Three: Java or C#/.NET

Java is a high-level language which revolutionized language development post-release.

What Java is used for:

- Web Applications
- Mobile Applications
- Game Development
- Web Servers

C#/.NET (as an optional third stack)

C#/.NET covers both the programming language C# and the .NET Framework which is an application framework library. It’s extremely versatile, making the language popular for writing desktop apps, background services, and apps.

What C#/.NET is used for:

- Web Services Applications
- Client-Server Applications
- Console Applications
- Web Applications
- Games

¹ <https://www.tiobe.com/tiobe-index/> (visited 3/9/2023)



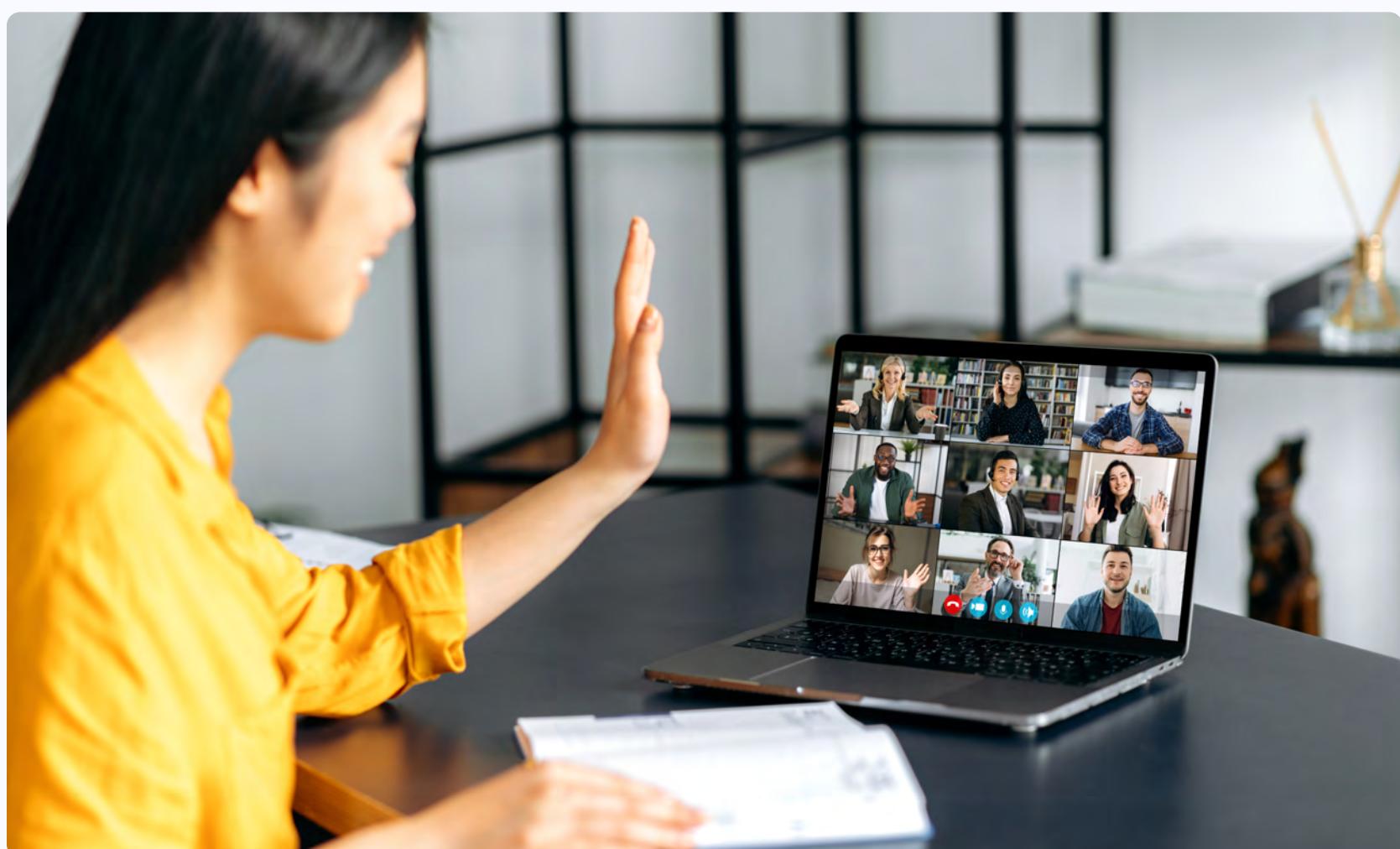
Up Next: Programming Basics

Programming Basics

WEEK 1

To kickoff the program, you'll examine habits, computer basics, and fundamental programming concepts and skills necessary to be successful in your bootcamp! During this section, students study basic computer literacy skills, such as how to install and navigate basic programming tools. Students apply algorithmic thinking to make predictions of common programming skills, such as variables, arrays, conditionals, functions, and loops.

Additionally, students experience the rigor and intensity of the bootcamp, strengthening their cognitive processing stamina, resiliency, and other behavioral skills necessary for a bootcamp. By the end of the course, students should walk away with the basic computer literacy, algorithmic foundations, and learning stamina needed to find success in a bootcamp.



Up Next: Web Fundamentals

Web Fundamentals

WEEKS 2-4

Front-End Development & The Web

HTML

Intro to HTML

- Basic Nesting Practices, Indentation
- The Head & Body
- Body Tags (lists, tables, etc.)
- Building Forms & Declaring Input Values
- Containers, Elements, Attributes, & Classes

CSS

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

More Styling*

- Intro to Bootstrap

Git/Github

Git & Version Control

- Using Terminal Commands*
- How to Create & Utilize a Repository
- Git Workflow Overview & States*

Github

- How to Use a Github Repository

Javascript

- Functions & Debugging
- Event handling
- Parameters
- Implementing Dynamic Content
- Traversing DOM Elements

jQuery*

Intro to jQuery

- jQuery Functions
- Essentials of the jQuery Library

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

Wireframing*

- Wireframing Fundamentals

*Optional Topics



Up Next: Python

Python

WEEKS 5-8

Stack One: Full Stack Development

Python

Intro to Python

- Variables, Data Types & Best Practices
- Using Strings & Built-in String Functions
- List Creation & Manipulation
- Dictionaries in Python
- Nested Dictionaries & Lists
- Conditionals, Operators, & Nested Loops
- Functions in Python

Python OOP

Intro to Object Oriented Programming

- Classes, Constructors and Creating Object Instances
- Setting and Updating Attributes
- Adding and Using Methods
- Chaining Methods
- Implementing Static and Class Methods
- Setting Up Associations Between Classes
- How to Use Modules & Packages in Python
- Introduction to Inheritance, Polymorphism, Encapsulation and Abstraction

Python Test Driven Development (TDD)*

- Unit Testing in Python & Outcome
- How to Use Assertions
- TDD Methods: setUp & tearDown

Advanced Python

- Variable Length Arguments
- Ternary Operators in Python
- Using Anonymous Functions (Lambdas) in Python

MySQL

Intro to MySQL

- Database Design & Relationships
- Entity Relationship Diagrams (ERDs)
- Conventions & Common Data Types
- Normalization
- Basic MySQL Queries for CRUD
- MySQL Functions
- Joins

Flask

Intro to Flask

- Routing in Flask Applications
- Building & Using Forms
- Rendering Templates & View
- Delivering Static Content
- The Different HTTP Methods
- Implementing Cookies & Session
- Hidden Inputs & Form Validation

Flask w/ MySQL

- Using PyMySQL to Connect to a Database
- Basic Data Security
- SQL Injection, Hashing Passwords & Bcrypt
- Back-end Validation and User Authentication Logic

MVC

- Creating the MVC Design Pattern in Flask
- Modularization, Using Models & Controllers
- Building Full-Stack Flask Applications

Deployment

- Amazon Web Services (EC2)
- Linux

AJAX*

- Fetching Data and Parsing JSON
- Using External APIs and API Keys
- Sending JSON Responses to the Client
- Intro to Asynchronous vs Synchronous Execution
- Manipulating the DOM to Display Dynamic Data

*Optional Topics



Up Next: Java

Java

WEEKS 13-16

Stack Three: Full Stack Development

Java Fundamentals

Intro to Java

- Java Development Kit Installation
- Executing Java Programs
- Variables, Data Types, & Type Casting
- Control Structures & Exceptions

Java OOP

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

Java Spring

Spring Intro

- Routing
- Java Server Pages
- Session
- Form Submission
- GET vs POST
- Dependency Injection

Spring MVC

- Model, View, and Controller (MVC) Design Pattern
- Java Persistence API (JPA)
- MySQL Connections
- Persistent Model Annotations
- Relationships
- Advanced Queries

Spring Security

- Spring Security Overview
- Authentication & Authorization
- Servlet API Integration
- Spring MVC Integration

Deployment

- Amazon Web Services (EC2)

*Optional Topics



Up Next: C#/.NET (optional stack 3 instead of Java)

C#/.NET

Optional Stack Three, in Place of Java

**ALTERNATIVE:
WEEKS 13-16**

C# Fundamentals

Intro to C#

- .NET Console Applications
- Variables, Types, Type Casting, & Functions
- Control Structures
- Debugging .NET Applications (VS Code)

C# OOP

Intro to Object Oriented Programming

- Classes & Objects
- Access Modifiers
- Inheritance & Polymorphism
- Encapsulation with Properties

Advanced C# OOP

- Interfaces
- Abstract Classes

ASP.NET Core

- Dependency Injection with ASP Services
- MVC Architecture
- Razor
- ViewModels
- Custom User Authentication/Authorization

Object Relational Mapping (ORM)

Working with ORMs

- LINQ
- Entity Framework Core
- User Authentication/Authorization
- Identity Roles

Deployment

- Amazon Web Services (EC2)
- Production Environments
- Hosting with Nginx/Supervisor



Up Next: Career Services

Career Services

Lifetime career services support. Our experienced Career Services team provides guidance, strategy, and prep to help you in your job search whether it's post-graduation or later down the road.

1

Professional Profile & Portfolio Building

From day one, gain access to your Career Services Manager who will begin to guide you into creating your digital footprint, learning skills companies seek, and building a profile that communicates those points to recruiters. Milestones:

- ✓ LinkedIn profile creation and optimization
- ✓ Github Portfolio Production
- ✓ Resume Development & Curation

2

Job Prospecting & Application Guidance

All while learning the most popular programs in tech, you'll be working on your job search for when graduation approaches. Your Career Service Manager will work with you on potential job titles to seek, explain different role descriptions, and guide you on how a first job post-bootcamp work can help you toward your long-term career goals. Milestones:

- ✓ Real Job Search
- ✓ Sample Applications
- ✓ Hiring Manager Communication
- ✓ Job Title Refinement

3

Interview Prep & Negotiation

One of the largest complaints by tech recruiters is it's easy to find people who can code, perform data analysis, and can set up a Cybersecurity framework, but most of these people can't communicate or work in teams. Whether you're an introvert or a natural leader, our Career Services team will help you to show up as your best self in essential interviews and your day-to-day work. Milestones:

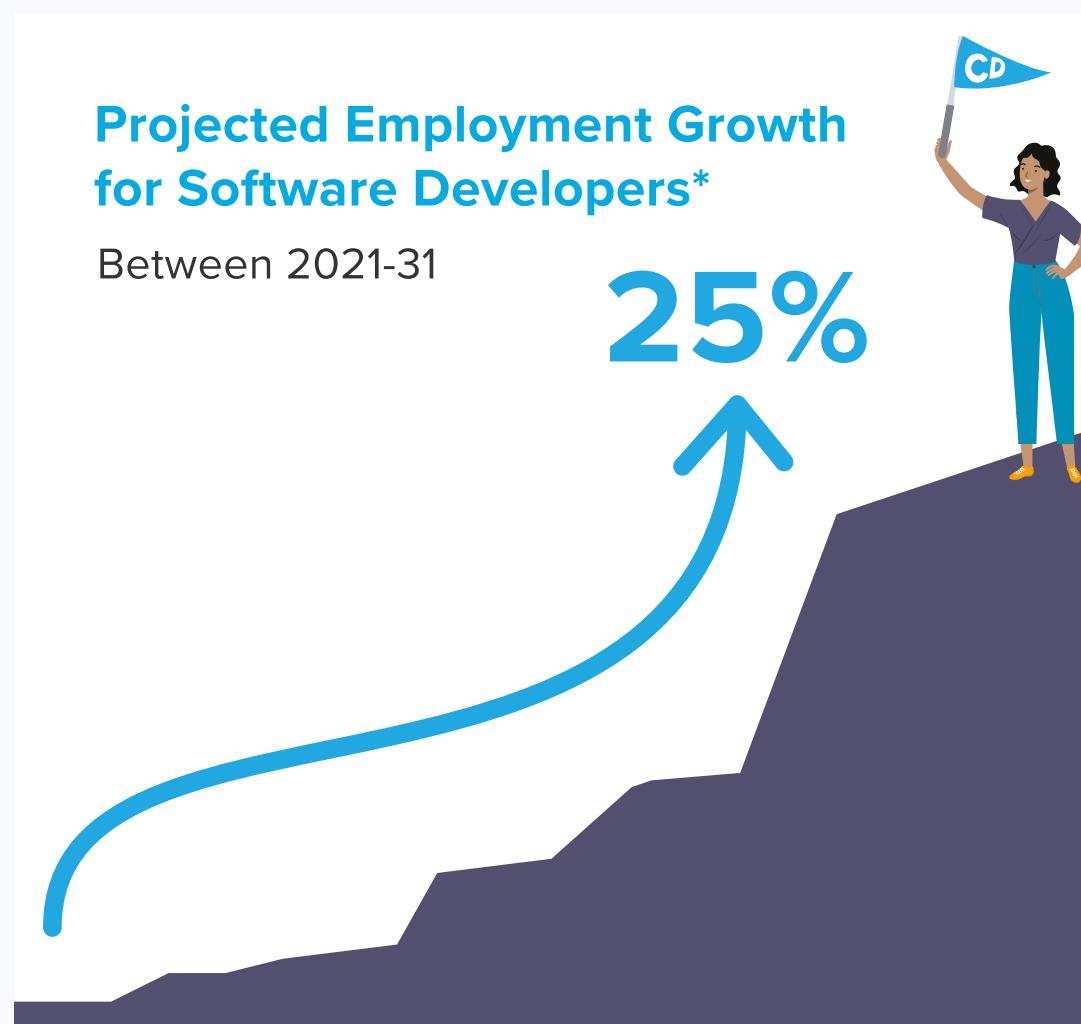
- ✓ Mock Job Interviews
- ✓ Technical Job Skills Tests
- ✓ Target Compensation Management
- ✓ Contract Negotiation

Coding Dojo cannot guarantee employment, salary or career advancement.



Up Next: Industry Trends

Industry Trends

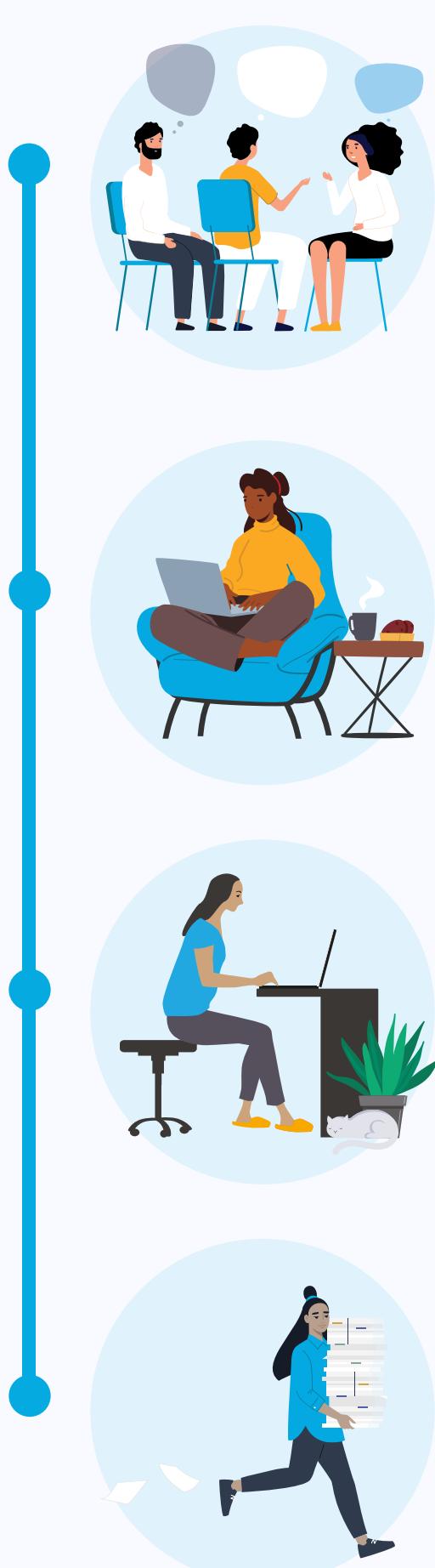


SOURCE: *Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Software Developers, Quality Assurance Analysts, and Testers, at <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm> (visited April 19, 2023). This data represents national figures and is not based on school-specific information. Conditions in your area may vary. Some career paths may require further education or job experience.



Up Next: How to Enroll

How to Enroll



Do Your Research

- Explore our programs on our website and view other program overviews.
- Schedule a call with one of our Admissions Advisors who will talk through your future career goals and what program may best suit you.
- Attend an Open House to meet directly with our Instruction and Career Service Managers.

Submit Application

- Submit your application! The application process takes less than 5 minutes and does not include a technical assessment.
- Complete a quick 30-minute interview with our Admissions team.
- Receive your decision within 2-3 business days.

Explore Financing Options

- Our Admissions Advisors will help you explore our financing options.
- Coding Dojo offers a variety of payment options, financing partners, and partial-scholarships for those who qualify.

Finalize Your Enrollment

- Submit your deposit, confirm your financing, and sign your Enrollment Agreement to reserve your seat in class!
- Your Admissions Advisor will introduce you to your Student Experience Manager who will help you get ready to start bootcamp.



Up Next: Financing Options

Financing Options



Installment Plans

Spread tuition payments out over your course with customizable installment plans.



Third-Party Financing

Finance your bootcamp with a third-party loan from a variety of vendors or source your own.



Pay in Full

Pay your tuition in full and get started.

Schedule a call with an Admissions Advisor to discuss which payment or financing option is right for you.

[Chat with Admissions](#)

Software Development

Part-Time Online

18 - 34 weeks, 30 hours/week (Accelerated Program)

30 weeks, 10-15 hours/week (Flex Program)



Part-Time
class commitment



Career Path Focus
built into curriculum



Learn by Doing
real projects, real datasets

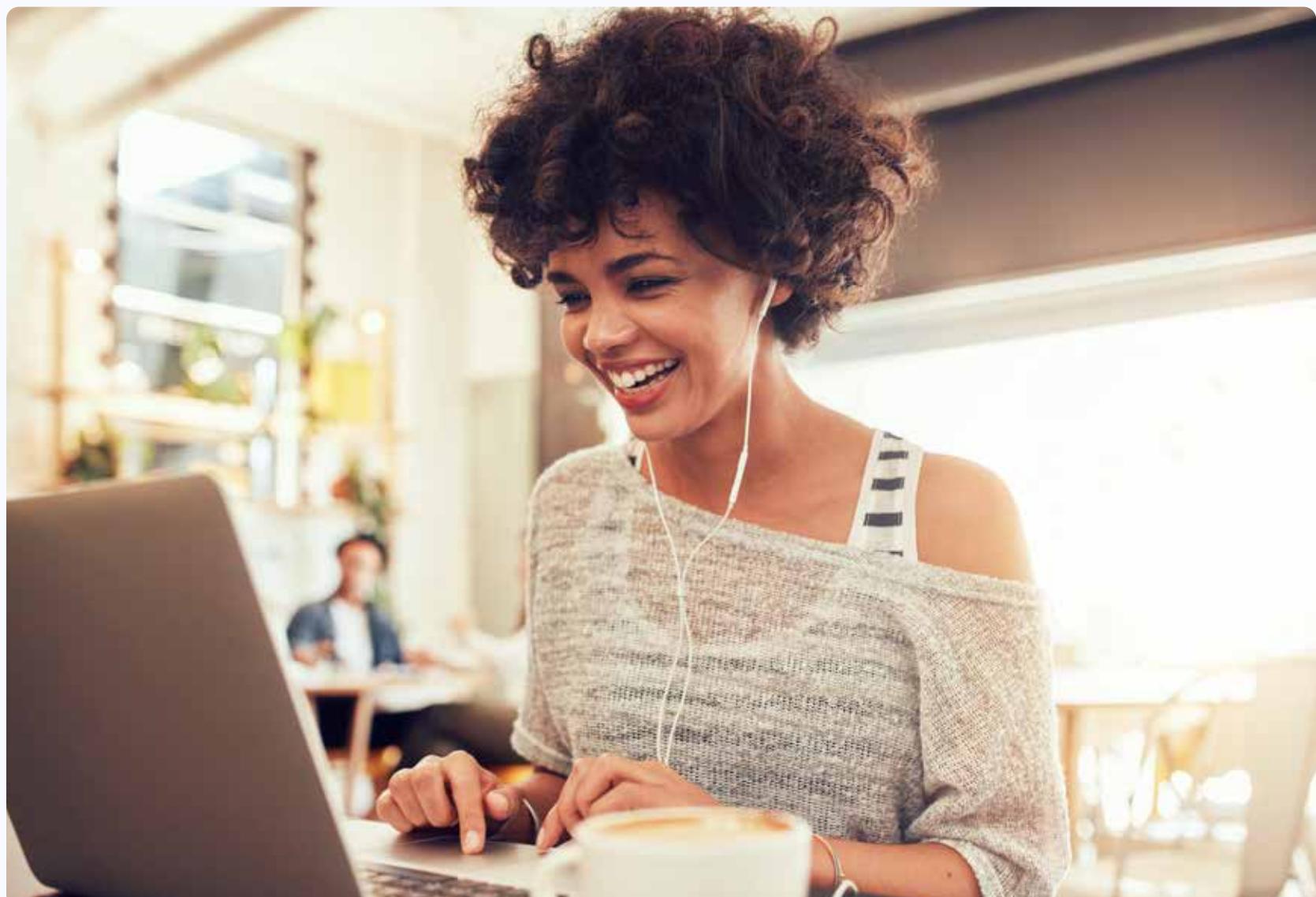
Program Overview

Your career path into software development begins on your first day of class. In 18 to 34 weeks, you'll study to become a self-sufficient, versatile developer who has the critical skills to pursue a career path in tech.

Anyone can learn to code, but the path to becoming a developer isn't easy.

You'll start coding from day one.

Dive into a fast, project-based learning environment that fosters collaboration, not competition.



Up Next: Choose Which Part-Time Program

Choose Between Two Options to Fit Your Schedule:

1

Accelerated Program

Our accelerated program allows you to choose your own adventure! Choose 1, 2, or 3 full stacks at a part-time pace.



18 - 34 Weeks



30 Hrs/Week

Includes complete web fundamentals, then choose from the following stacks:



Python



Javascript



Java

2

Flex Program

Our flex program allows students to learn Python on a more accommodating schedule.



30 Weeks



10-15 Hrs/Week

Includes complete web fundamentals, and Python (only Python is available through Flex at this time).



Python

**Up Next:** About the Accelerated Program

About the Accelerated Program

Learn to build applications in some of the top programming stacks of 2023. Pick between Python, JavaScript, or Java as your stack, or choose to extend the program and explore multiple languages.



Week One to Two Programming Basics

To kickoff the program, you'll study habits, computer basics, and fundamental programming concepts and skills necessary to be successful in your bootcamp!

You'll Focus On:

- Basic computer literacy
- Algorithmic foundations
- Learning stamina

Week Three to Six Web Fundamentals

You'll start with Web Fundamentals—a four week course that starts with the basics to provide a good overview before jumping into specific languages.

You'll Focus On:

- HTML
- CSS
- Javascript

Weeks Seven to Fourteen Stack 1 (Python, Javascript or Java)

You'll get to decide which stack you'd like to focus on, either Python, Javascript, or Java.

You'll Focus On One of the Following:

- Python
- Javascript
- Java

Optional Extra Stack + Add 8 Weeks

Choose from either Python, Javascript, or Java.

Optional Extra Stack + Add 8 Weeks

Choose from either Python, Javascript, or Java.

Last Four Weeks

The last four weeks of the course focuses on putting together everything you've learned to create unique projects, as well as preparing for potential interviews with more in-depth programming knowledge.

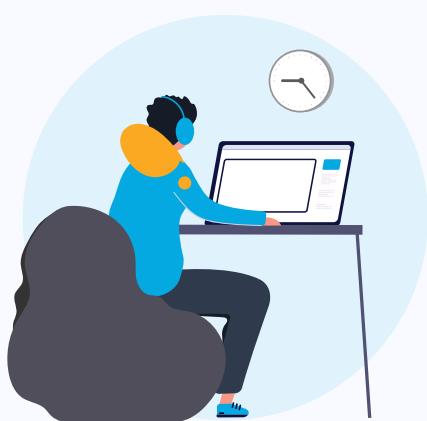
What You'll Focus On:

- Projects
- Algorithms



Up Next: A Day in the Life

An Example Day's Schedule in an Accelerated Program



Morning
Head to Work



Evening
Lecture, Office
Hours & Self Study

24/7 Cohort Access

Your access to our LEARN Platform and Discord is available 24/7. Access your materials at whatever time you need them.

Self Study

Most students dedicate 30-35 hours a week to self-study, though you may need more or less depending on your learning style and experience.

Lectures

Live lectures are held **three times per week** for an hour from 6pm-7pm MST. Lecture days are **Tuesday, Wednesday, and Thursday**.

Optional Office Hours

Need more assistance understanding a concept? Optional office hours are held an hour prior to lecture times between 5pm-6pm MST.



Up Next: About the Flex Program

About the Flex Program

Learn to build applications in the same Python curriculum, over a longer amount of time, so you can manage the rest of your commitments more easily.



Weeks One to Two

Programming Basics

To kickoff the program, you'll explore habits, computer basics, and fundamental programming concepts and skills necessary to be successful in your bootcamp!

You'll Focus On:

- Basic computer literacy
- Algorithmic foundations
- Learning stamina

Weeks Three to Ten

Web Fundamentals

You'll start with Web Fundamentals—a four week course that starts with the basics to provide a good overview before jumping into specific languages.

You'll Focus On:

- HTML
- CSS
- Javascript

Weeks Eleven to Twenty-Six

Python

You'll dive into Python, the stack of the Flex Program, over the course of a 16 week program, at your pace. Unlike the Accelerated program, you do not have a choice of stack. You also do not have the option to add additional stacks.

You'll Focus On:

- Python
- OOP
- Flask
- MySQL
- Ajax*

Weeks Twenty-Seven to Thirty

Projects & Algorithms

The last four weeks of the course focuses on putting together everything you've learned to create unique projects, as well as preparing for potential interviews with more in-depth programming knowledge.

You'll Focus On:

- Projects
- Algorithms

*Optional Topic



An Example Day's Schedule in a Flex Program



Morning

Head to Work



Evening

Lecture, Office Hours & Self Study

24/7 Cohort Access

Your access to our LEARN Platform and Discord is available 24/7. Access your materials at whatever time you need them.

Self Study

Most students dedicate 10-15 hours a week to self-study, though you may need more or less depending on your learning style and experience.

Lectures

Live lectures are held **twice per week** for an hour from 6pm-7pm MST. Lecture days are **Monday/Wednesday** or **Tuesday/Thursday** depending on your cohort's start date.

Optional Office Hours

Need more assistance understanding a concept? Optional office hours are held an hour prior to lecture times between 5pm-6pm MST.



Up Next: Let's Dive Into the Stacks!

Let's Dive Into the Stacks!

What does 3 stack mean?

A **stack** refers to a programming language, and when we refer to ‘full stack’, we mean you’ll study every facet of that programming language.



Stack One: Python

Python is one of the most popular languages in the industry¹. Its diversity, adaptability, and easy-to-master basics makes it the perfect language to start with at bootcamp.

What Python is used for:

- Web Applications
- Web Development
- Machine Learning
- Data Science
- Cloud Infrastructure



Stack Two: Javascript

JavaScript is ideal for building dynamic websites and applications. It runs on every application level making it an efficient, modern approach to web development.

What Javascript is used for:

- Web Applications
- Mobile Applications
- Game Development
- Web Servers
- Animation



Stack Three: Java

Java is a high-level language which revolutionized language development post-release. It's adopted widely in the industry and going strong for 20+ years.

What Java is used for:

- Web Applications
- Mobile Applications
- Game Development
- Web Servers

¹ <https://www.tiobe.com/tiobe-index/> (visited 3/9/2023)



Up Next: Programming Basics

Programming Basics

To kickoff the program, you'll examine habits, computer basics, and fundamental programming concepts and skills necessary to be successful in your bootcamp! During this section, students study basic computer literacy skills, such as how to install and navigate basic programming tools. Students apply algorithmic thinking to make predictions of common programming skills, such as variables, arrays, conditionals, functions, and loops.

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Up Next: Web Fundamentals

Web Fundamentals

Front-End Development & The Web

HTML

Intro to HTML

- Basic Nesting Practices, Indentation
- The Head & Body
- Body Tags (lists, tables, etc.)
- Building Forms & Declaring Input Values
- Containers, Elements, Attributes, & Classes

CSS

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
- Using CSS Reset & Boilerpoint

More Styling*

- Intro to Bootstrap

Git/Github

Git & Version Control

- Using Terminal Commands*
- How to Create & Utilize a Repository
- Git Workflow Overview & States*

Github

- How to Use a Github Repository

Javascript

- Functions & Debugging
- Event handling
- Parameters
- Implementing Dynamic Content
- Traversing DOM Elements

jQuery*

- Essentials of the jQuery Library
- jQuery UI Library & More Libraries*

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

Wireframing*

- Wireframing Fundamentals

*Optional Topics



Up Next: Python

Python

MySQL

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*

Python

Intro to Python

- Variables, Data Types & Best Practices
- Using Strings & Built-in String Functions
- List Creation & Manipulation
- Using Tuples & Built-in Tuple Functions
- How to Use Dictionaries in Python
- Conditionals, Operators, & Nested Loops
- Constructing Functions in Python

Python OOP

Intro to Object Oriented Programming

- Creating Objects & Classes
- Adding Properties/Attributes to Classes
- Constructing & Adding Methods to Classes
- Chaining Methods & Using Magic Methods
- How to Use Modules & Packages in Python
- Creating Multiple Objects
- Updating Methods with ‘Super’
- Overriding Inheritance & Polymorphism

Python Test Driven Development (TDD)*

- Unit Testing in Python & Outcomes
- How to Use Assertions Using
- TDD Methods: setUp & tearDown

Advanced Python*

- How to Use Multiple Arguments
- Ternary Operators in Python
- Using Lambda*
- Using Composition Over Inheritance*

*Optional Topics

Flask

Intro to Flask

- Routing in Flask Applications
- Building & Using Forms
- Rendering Templates & Views
- Delivering Static Content
- The Different HTTP Methods
- Implementing Cookies & Sessions
- Hidden Inputs & Form Validation

Flask w/ SQL

- Import, Export, & Connect Your Database
- Connecting & Running Python Across Files
- Database Communication & Validation
- Encryption & Data Security Basics

MVC

Intro to Model View Controller (MVC)

- Views, Session Classes & Session Data
- How to Use Models with Controllers
- Data Validation
- Using Bcrypt with MVC
- How to Use Multiple Controllers & Models

Deployment

- Amazon Web Services (EC2)
- Linux



Up Next: Javascript

JavaScript

ACCELERATED ONLY

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

Node.JS

Intro to Node

- How to Use Package Managers (NPM/Bower)
- Making a Full Web Server
- How to Work with Node Modules
- Common & Useful Node Modules
- Node.JS

Modularization

- Using Require & Module.exports
- How to Modularize Existing Projects

Express.JS

- HTTP Methods: Forms, Data Transfers, & Routing
- RESTful Routing

Socket.io

- Applications with Real-time Communication

MongoDB

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

React

- Create React App
- Class Based Components
- Props, Children, Synthetic Events
- State, LifeCycle Methods
- Functional Components
- useState, useEffect, useReducer
- context API
- Manage application state using hooks: useState, useEffect
- useReducer, useContext*

Deployment

- Amazon Web Services (EC2)
- Linux
- Production Environments

*Optional Topics



Up Next: Java

Java

ACCELERATED ONLY

Java Fundamentals

Intro to Java

- Java Development Kit Installation
- Executing Java Programs
- Variables, Data Types, & Type Casting
- Control Structures & Exceptions

Java OOP

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

Java Spring

Spring Intro

- Routing
- Java Server Pages
- Session
- Form Submission
- GET vs POST
- Dependency Injection

Spring MVC

- Model, View, and Controller (MVC) Design Pattern
- Java Persistence API (JPA)
- MySQL Connections
- Persistent Model Annotations
- Relationships
- Advanced Queries

Spring Security

- Spring Security Overview
- Authentication & Authorization
- Servlet API Integration
- Spring MVC Integration

Deployment

- Amazon Web Services (EC2)

*Optional Topics



Up Next: #CNet (optional 3 stack instead of Java)

Career Services

Lifetime career services support. Our experienced Career Services team provides guidance, strategy, and prep to help you in your job search whether it's post-graduation or later down the road.

1

Professional Profile & Portfolio Building

From day one, gain access to your Career Services Manager who will begin to guide you into creating your digital footprint, learning skills companies seek, and building a profile that communicates those points to recruiters. Milestones:

- ✓ LinkedIn profile creation and optimization
- ✓ Github Portfolio Production
- ✓ Resume Development & Curation

2

Job Prospecting & Application Guidance

All while learning the most popular programs in tech, you'll be working on your job search for when graduation approaches. Your Career Service Manager will work with you on potential job titles to seek, explain different role descriptions, and guide you on how a first job post-bootcamp can help you work toward your long-term career goals. Milestones:

- ✓ Real Job Search
- ✓ Sample Applications
- ✓ Hiring Manager Communication
- ✓ Job Title Refinement

3

Interview Prep & Negotiation

One of the largest complaints by tech recruiters is it's easy to find people who can code, perform data analysis, and can set up a Cybersecurity framework, but most of these people can't communicate or work in teams. Whether you're an introvert or a natural leader, our Career Services team will help you to show up as your best self in essential interviews and your day-to-day work. Milestones:

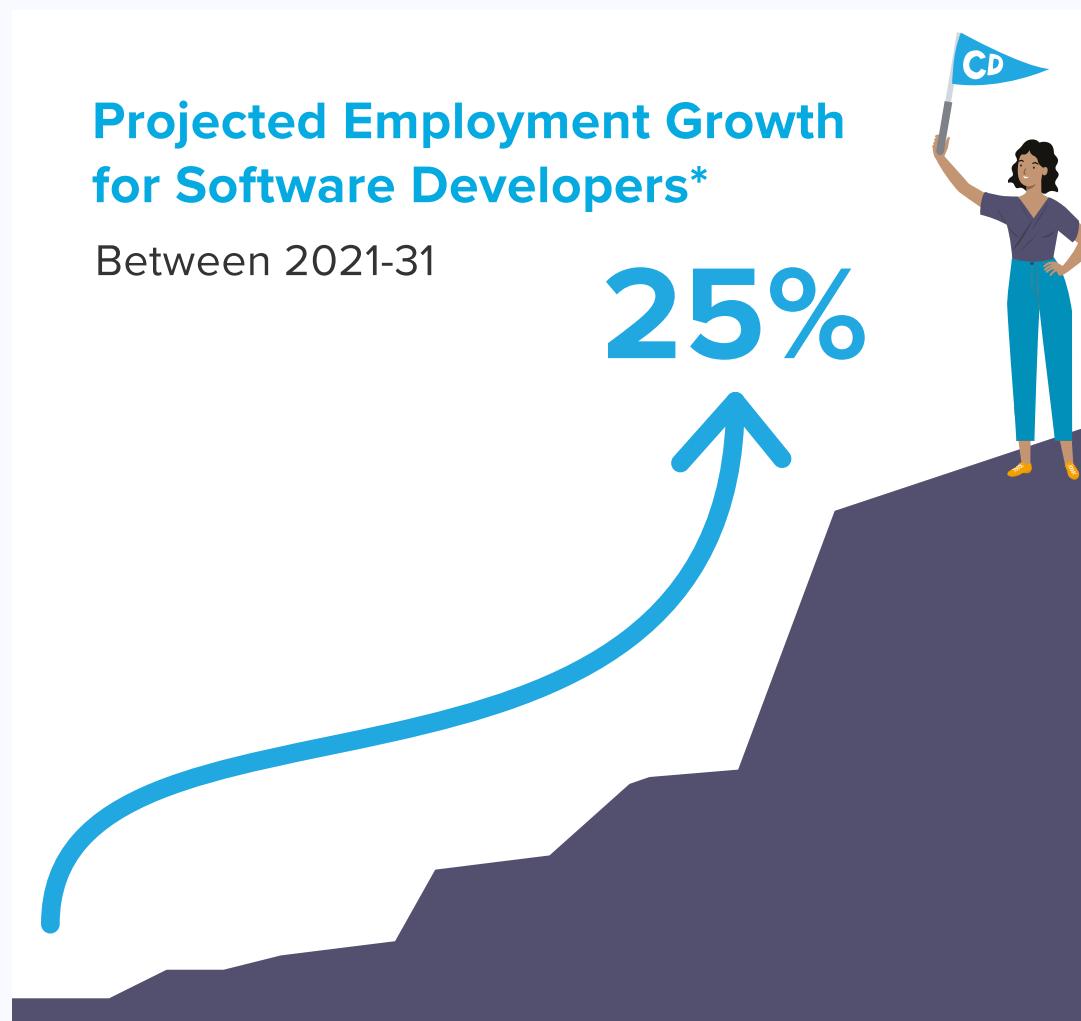
- ✓ Mock Job Interviews
- ✓ Technical Job Skills Tests
- ✓ Target Compensation Management
- ✓ Contract Negotiation

Coding Dojo cannot guarantee employment, salary or career advancement.



Up Next: Industry Trends

Industry Trends



SOURCE: *Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Software Developers, Quality Assurance Analysts, and Testers, at <https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm> (visited April 19, 2023). This data represents national figures and is not based on school-specific information. Conditions in your area may vary. Some career paths may require further education or job experience.



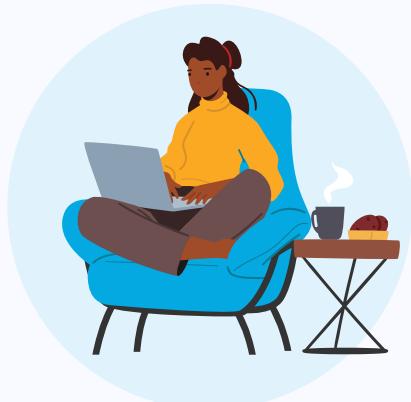
Up Next: How to Enroll

How to Enroll



Do Your Research

- Explore our programs on our website and view other program overviews.
- Schedule a call with one of our Admissions Advisors who will talk through your future career goals and what program may best suit you.
- Attend an Open House to meet directly with our Instruction and Career Service Managers.



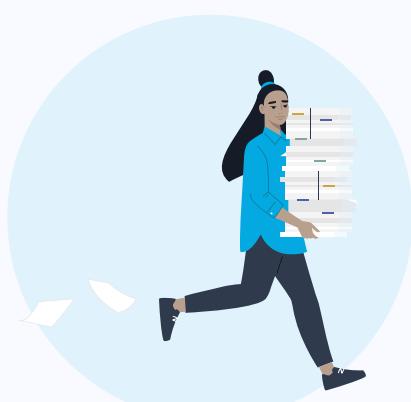
Submit Application

- Submit your application! The application process takes less than 5 minutes and does not include a technical assessment.
- Complete a quick 30-minute interview with our Admissions team.
- Receive your decision within 2-3 business days.



Explore Financing Options

- Our Admissions Advisors will help you explore our financing options.
- Coding Dojo offers a variety of payment options, financing partners, and partial-scholarships for those who qualify.



Finalize Your Enrollment

- Submit your deposit, confirm your financing, and sign your Enrollment Agreement to reserve your seat in class!
- Your Admissions Advisor will introduce you to your Student Experience Manager who will help you get ready to start bootcamp.



Up Next: Financing Options

Financing Options



Installments

Spread tuition payments out over your course with customizable installment plans.



Third Party Financing

Finance your bootcamp with a third party loan from a variety of vendors or source your own.



Pay in Full

Pay your tuition in full and get started.

Schedule a call with an Admissions Advisor to discuss which payment or financing option is right for you.

[Chat with Admissions](#)