Software Development
Bootcamp

20-32 weeks, 30-60 hours / week

✓ **Full-Time or Part-Time**
class commitment

✓ **Career Path Focus**
built into curriculum

✓ **Learn by Doing**

Join our 13,000+ global alumni and kick-start your career path in tech.

Program Overview

Your career path into software development begins on your first day of class. In 20 to 32 weeks, you'll study to become a self-sufficient, versatile developer with skills to pursue a career path in tech.

Anyone can learn to code, but the path to becoming a developer isn't easy. Coding Dojo's immersive platform offers interactive lessons, professional guidance, and a collaborative community designed to enhance your coding skills. Engage with hands-on exercises and quizzes, while tracking your progress with detailed analytics. Access our library of resources and a 24/7 AI Tutor available to support your studies. Join us at Coding Dojo and work to build your coding skills with a dynamic and innovative learning environment tailored to your needs.

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Online Learning to Fit Your Schedule

Our software development program allows you to choose your own adventure! Choose 1, 2, or 3 full stacks at Part-Time or Full-Time formats.

1 Stack

Pace	Courses	Time Commitment
Part-Time	• Programming Basics • Web Fundamentals • Python • Intro to Data Structures and Algorithms	30 hrs/week, 20 weeks

2 Stacks

Pace	Courses	Time Commitment
Part-Time	• Programming Basics • Web Fundamentals • Python • Java • Intro to Data Structures and Algorithms	30 hrs/week, 26 weeks
Full-Time		60 hrs/week, 20 weeks

3 Stacks

Pace	Courses	Time Commitment
Part-Time	• Programming Basics • Web Fundamentals • Python • Java • MERN • Intro to Data Structures and Algorithms	30 hrs/week, 32 weeks
Full-Time		60 hrs/week, 20 weeks

Up Next: About the Program

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About the Program

Learn to build applications in some of the top programming stacks of 2025. Pick between 1, 2 or 3 stacks and choose between Part-Time and Full-Time formats.

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 Eight
Web Fundamentals
This course introduces students to Hypertext Markup Language (HTML), Cascasding Style Sheets (CSS), and JavaScript.

You'll Focus On:
- HTML
- CSS
- JavaScript

Week Nine to Fourteen
Python
This course introduces students to Python full-stack programming and associated technologies.

You'll Focus On:
- Python Fundamentals
- Python Conditionals and Loop Structures
- Functions in Python and more

Optional Extra Stack
+ Add 6 Weeks or learn faster with Full-Time format

Java Course

Optional Extra Stack
+ Add 6 Weeks or learn faster with Full-Time Format

MERN Course

Last 6 Weeks
Intro to Data Structures and Algorithms

This course introduces students to basic data structures, sorting, and divide-and-conquer techniques. Additionally, this course is designed to provide students with a fundamental understanding of programming and problem-solving principles.

You'll Focus On:
- Data Structures and Algorithms
- Java
- MySQL

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An Example Day's Schedule

Morning
Head to Work

Mid-Morning
Self-Study over Lunch

Evening
Lectures, Office Hours, & Self Study

*Not all courses are available for every start. Contact the Admissions team for more information.
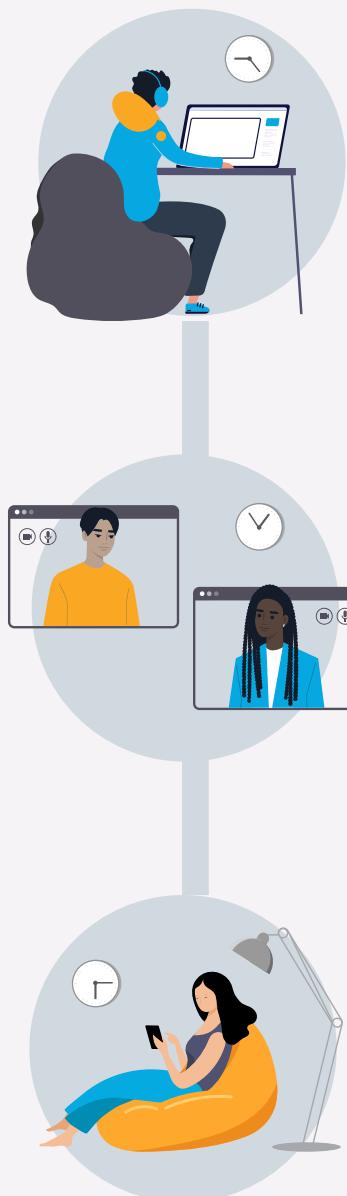
24/7 Access

Your access to our platform is available 24/7. Access your materials at whatever time you need them.

Self Study

Most students dedicate 30-60 hours a week to self-study, depending on the selected format (Part-Time or Full-Time). You may need more or less depending on your learning style and experience.

Lectures

Live lectures are held **2–4 times per week, depending on Part-Time or Full-Time format.** The days are dependent on the instructor of the course.

Optional Office Hours

Need more assistance understanding a concept? Optional office hours are held **3–6 times a week, depending on Part-Time or Full-time format.**

Programming Basics

This prerequisite course for the Software Development certificate program is designed to provide students with foundational skills and knowledge necessary for success in their studies. The course focuses on both technical and professional skills to help ensure students are well-prepared for the challenges ahead.

In the first unit, students will be introduced to the Coding Dojo environment, covering expectations, course structure, assignments, grading, and classroom features such as instructors, tech support, messenger, and Zoom. They will also learn to navigate the uCertify platform, including its activities, quizzes, labs, and the AI tutor. This unit aims to familiarize students with the learning environment and tools they will use throughout the program, to set a solid foundation for their studies.

The second unit delves into fundamental programming concepts such as variables, data types, operations, arrays, conditionals, and functions. Students will explore topics such as front-end and back-end development, databases, and critical thinking approaches to problem-solving. Additionally, the course covers career services topics and emphasizes professional communication skills, including speaking, writing, active listening, and online meeting best practices. By the end of this unit, students should have a grasp of both technical and professional skills, preparing them for the Software Development certificate program.
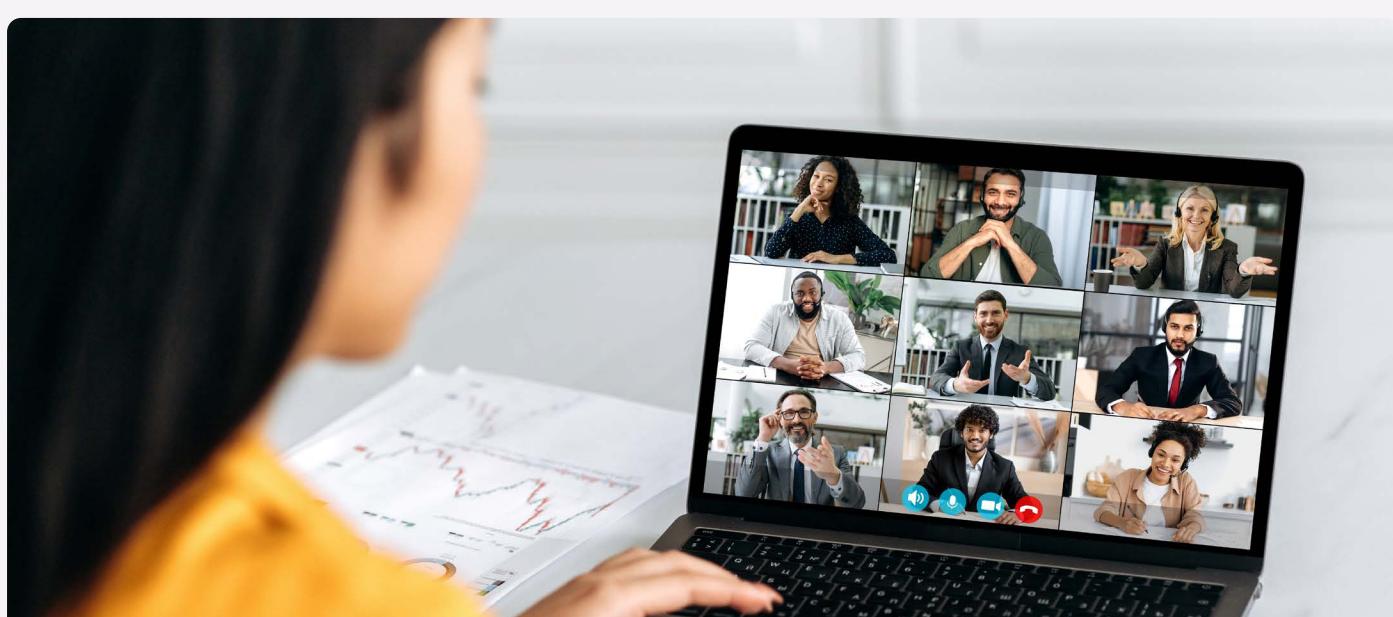
Web Fundamentals

This course is designed to provide students with skills to write HTML, CSS, and basic JavaScript code within an Integrated Development Environment (IDE). The curriculum is structured into six units, starting with HTML in Unit 1, followed by a combination of HTML and CSS in Unit 2. Units 3 and 4 delve deeper into CSS, while Units 5 and 6 focus on JavaScript.

By the end of the course, students can be proficient in creating and styling web pages, as well as adding basic interactivity using JavaScript.

Python

This course is designed to provide students with a comprehensive understanding of Python programming and its applications in back-end development. Students will explore how to write Python code based on fundamental and object-oriented programming concepts, develop back-end Flask applications without a database, translate data requirements into Entity Relationship Diagrams (ERDs), and write Flask and MySQL database query code for full-stack applications. The course content is divided into six units: Python Fundamentals, Python Conditional and Loop Structures, Functions in Python, Python Object-Oriented Programming, Python Integration with MySQL, and Python Full-Stack Application Development.

By the end of the course, students can be proficient in developing full-stack applications using Python and Flask.
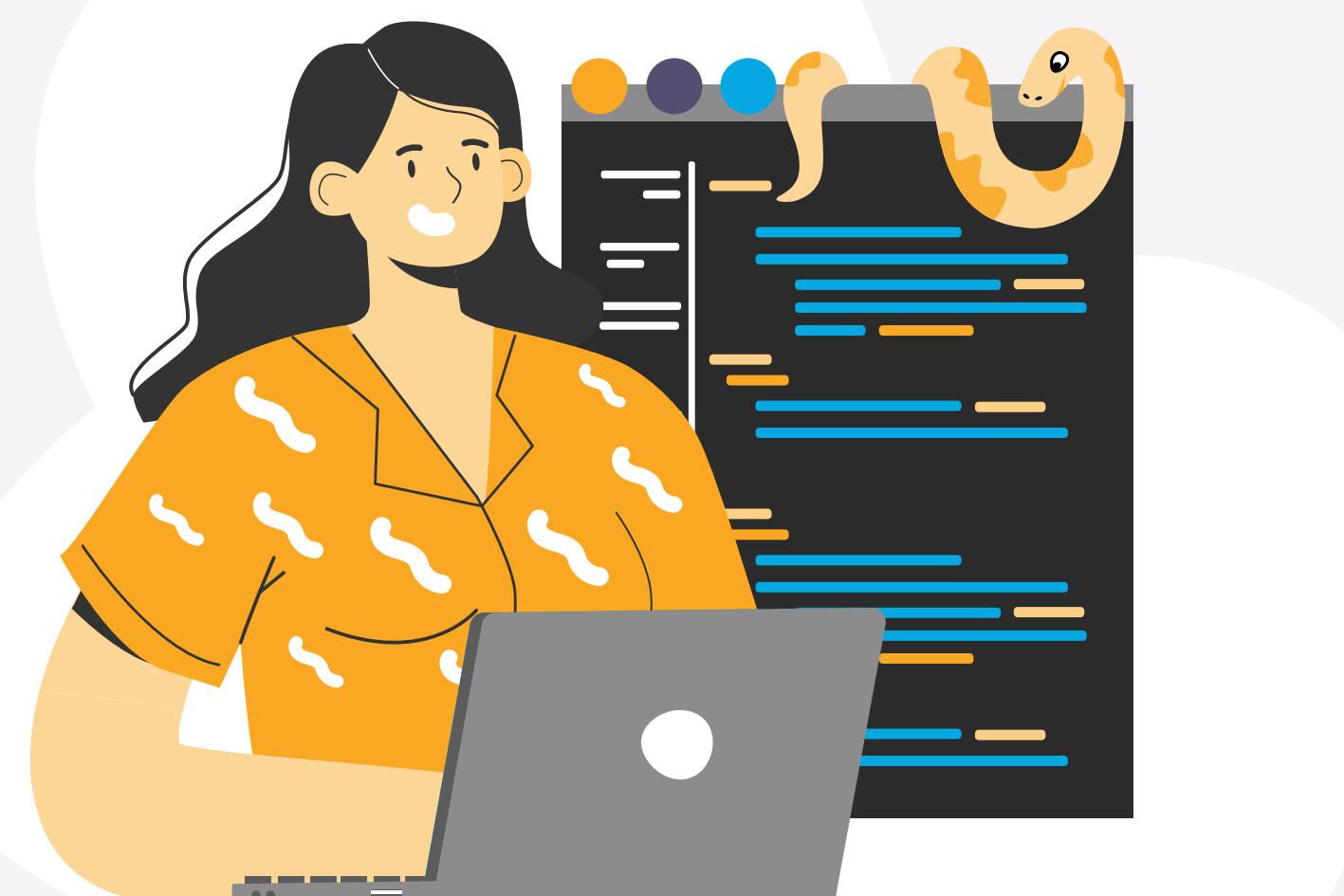
Java

This course is designed to provide students with comprehensive Java programming skills, focusing on both fundamental and advanced concepts. The learning objectives include writing Java code based on common programming and object-oriented programming principles, developing server-side rendering applications with back-end logic, and utilizing MySQL with Java Persistence API (JPA). Additionally, students will study how to create full-stack Model–View–Controller (MVC) applications. The course content is structured into six units: Java Fundamentals, Java OOPs Fundamentals, Packages and Exceptions, Java and MySQL, Introduction to Spring MVC Framework, and Full-Stack Spring MVC Application Development.

By the end of the course, students can be proficient in developing robust Java applications across various domains.

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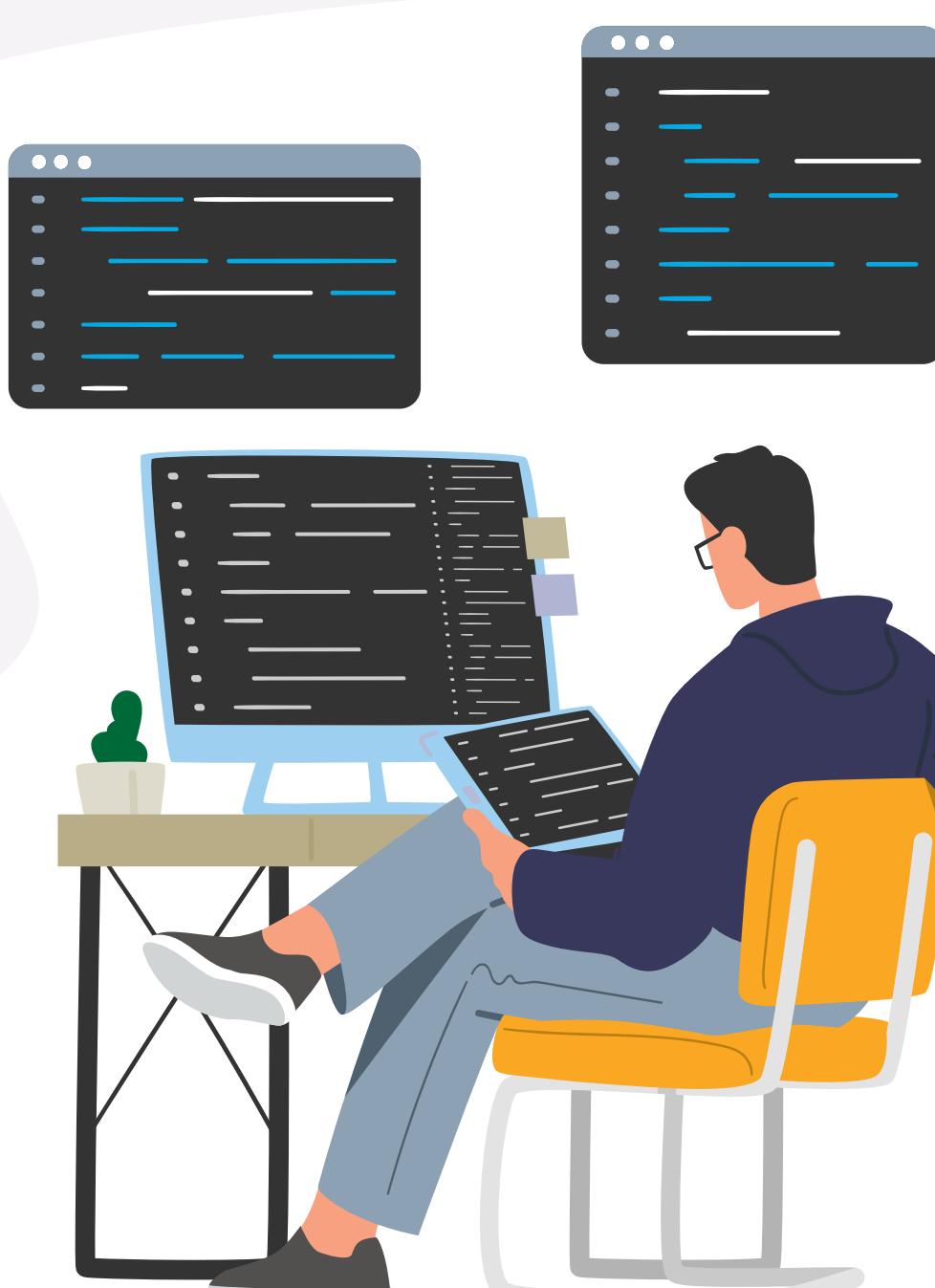
MERN

This course is designed to provide students with the skills to develop full-stack applications using the MERN stack. The learning objectives include writing JavaScript code for front-end functionality, creating interactive single-page applications with React, developing HTTP-ready applications using Node and Express, and implementing data persistence on the server with MongoDB. Additionally, students will examine how to integrate these technologies to build complete client-server applications. The course content is structured into six units: JavaScript, MongoDB, Express, React, Full Stack MERN, and MERN Authentication.

By the end of the course, students can be proficient in building and securing full-stack applications using the MERN stack.

Intro to Data Structures and Algorithms

This course is designed to provide students with a solid foundation in data structures and algorithms, essential for effective software development. Students will study how to write basic data structures code, understand the impact of data structures on algorithm complexity, and implement divide-and-conquer algorithms such as searching, sorting, and recursion. Students will also explore how to use appropriate data structures for advanced algorithms. The course is structured into six units: Introduction to Data Structures and Algorithms, Basic Data Structures, Algorithm Complexity and Data Structures, Sorting and Searching Algorithms, Data Structure Applications, and Data Structures and Advanced Algorithms.

By the end of the course, students should be equipped with skills to develop efficient and effective software solutions.

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Career Services

Career services provides quality resume and interviewing preparation along with job search strategy guidance. We provide students with tools and resources to help navigate the job search process.

1 **Professional Profile & Portfolio Building**
Career Services can help guide you through creating your digital footprint, establishing a professional profile, and preparing your resume. Milestones:

- ✓ LinkedIn Profile Creation and Optimization

- ✓ Github Portfolio Production

- ✓ Resume Development & Curation

2 **During the Program**
Discover job search strategies to help you prepare for the job search post-boot-camp. Milestones:

- ✓ Job search strategies

- ✓ Interview preparation tools & support

- ✓ Networking strategies

3 **Ending the Program**
Exit the program with career skills, resources, Coding Dojo Certificate of Completion (1-stack program) or Certificate of Achievement (2 or 3 stack program), and connection to the Alumni network for ongoing tools and support. Milestones:

- ✓ Interview tools and preparation strategies

- ✓ Practice interviews

- ✓ CTU Network – Coding Dojo Alumni Networking Group and Resources

Coding Dojo cannot guarantee employment, salary or career advancement.

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Industry Trends

**Projected Employment Growth
for Software Developers***
Between 2023 – 2033

17%
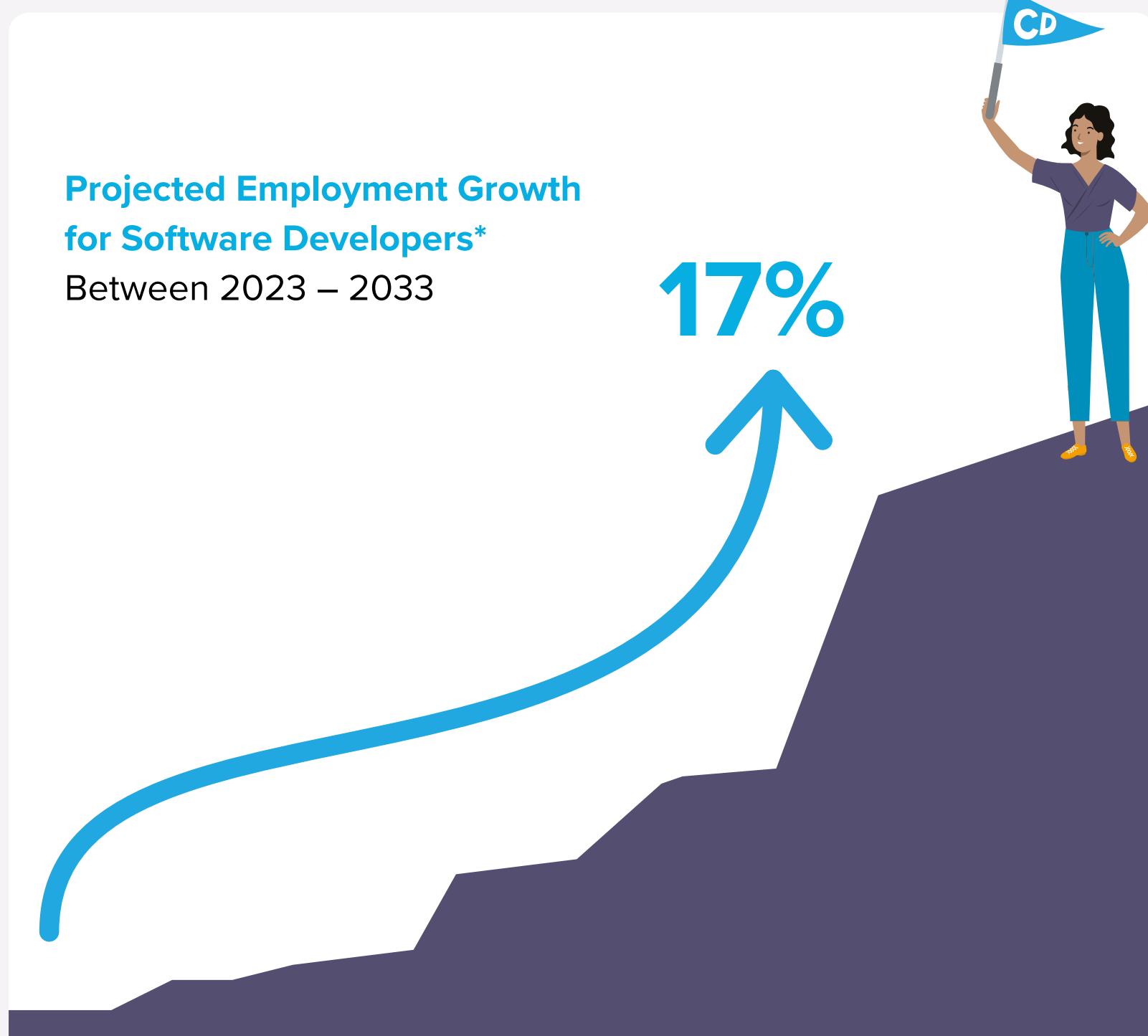
SOURCE: *Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Software Developers, Quality Assurance Analysts, and Testers, at https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm (visited March 12, 2025). This data represents national figures and is not based on school-specific information. Conditions in your area may vary. Some career paths may require further education or job experience. Coding Dojo cannot guarantee employment, salary, or career advancement.

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How to Enroll

Do Your Research

- Schedule a call with one of our Admissions Advisors who will talk through your future career path goals.

Submit Application

- Submit your application! The application 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.
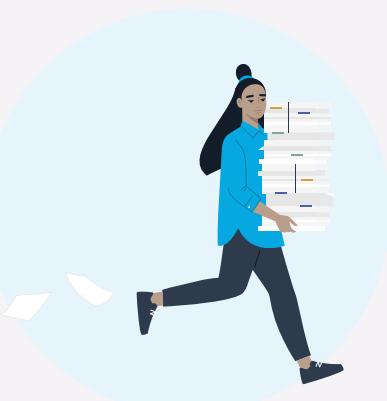
Finalize Your Enrollment

- Sign your Enrollment Agreement to officially enroll in class!

- Your Admissions Advisor will introduce you to your Success Coach who will help you get ready to start bootcamp.

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Financing Options

Institutional Payment Plans

Students may have the ability to make cash installments payments directly to the institution for balances owed. For more information concerning the terms and conditions of the installment plans, please contact the finances office.

Third Party Financing

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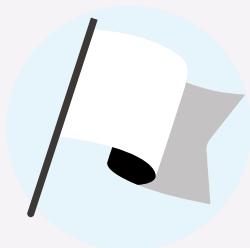
Pay in Full

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

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