

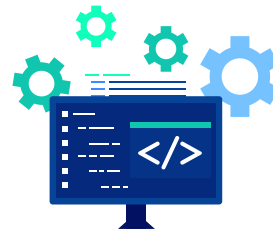


Front-End Web Development Career Track



Pre-Course

The Pre-course will be your initial stop in the career track. It will help you understand the basic concepts of programming and write your first programs in Python.



Front-End Development Course

Here you will become a master in using a number of front-end web development languages and frameworks including, but not limited to HTML/CSS, JavaScript, React and Angular.

Graduation Project



WEEKS 26-32

WEEK 01

WEEKS 03-26

WEEKS 03-26



Soft Skills Course

During this course, you will acquire the essential soft skills every recruiter is looking for. These are vital in any role and can make or break your chances of landing your dream job!



How to get a DEV job course

This course will support you in navigating the often chaotic world of job searching with confidence and will encourage your walk through the uncertainties of finding a job.

Introduction to Programming with Python

Hello World

Python: Strings

- ◆ Quiz: Python Strings

Python: Numbers

- ◆ Quiz: Python Numbers

Python: Arithmetic

- ◆ Quiz: Python Arithmetic

Python: Dates & Times

- ◆ Python Quiz: Dates & Times

Python: Booleans

Python: Conditionals

- ◆ Python Quiz: Conditionals

Python: Functions

Python: Sets

- ◆ Quiz: Python Sets

Python: Lists

Python: Dictionaries

Python: Tuples

Python: Classes & Objects

Python: JSON

Python: Lambdas

Python: Map, Filter, Reduce

Become Certified

- ◆ SoloLearn Certificate URL





| LESSON | TOPIC | DURATION |
|--------------------------------------|---|------------|
| WEB DEVELOPMENT 101 (Weeks:7) | | |
| Week 1: The Basics | | 0.5 |
| | How this Course will work + Quiz Introduction to Web Development + Quiz Gearing up + Quiz Set up all necessary Services & Accounts + Quiz How does the Web work | |
| Week 1: Installations | | 0.5 |
| | Installation Overview Setting up a Development Environment + Quiz Code Editors Visual Studio Code + Quiz Command Line Basics + Quiz | |
| Week 2: Git Basics | | 1 |
| | Introduction to Git Git Basics - Part I Setting up Git + Quiz Git Basics - Part II + Quiz Project: Practicing Git Basics + Quiz | |
| Weeks 3~4: The Front End | | 2 |
| | Introduction to the Front End + Quiz HTML & CSS Basics + Quiz Developer Tools + Quiz Google Project: HTML/CSS + Quiz Google Project: Code Review Code Review: HTML/CSS | |



| LESSON | TOPIC | DURATION |
|---|--|----------|
| Weeks 5~7: JavaScript Basics | | 3 |
| | Fundamentals - Part I | |
| | Fundamentals - Part II + Quiz | |
| | Developer Tools - Part II | |
| | Fundamentals - Part III + Quiz | |
| | Project: Rock - Paper - Scissors + Quiz | |
| | Clean Code | |
| | Fundamentals - Part IV + Quiz | |
| | DOM Manipulation + Quiz | |
| | Events + Quiz | |
| | Project: Etch-a-Sketch + Quiz | |
| | Fundamentals - Part V + Quiz | |
| | Project: Calculator + Quiz | |
| HTML & CSS (Weeks: 8) | | |
| Weeks 8~9: Basic HTML Page Structure | | 2 |
| | Introduction | |
| | HTML Basics | |
| | Linking Internal and External Pages | |
| | Working with Images, Video and Other Media | |
| | Project: Embedding Images and Video + Quiz | |
| | What's new in HTML5 | |
| Week 10: Displaying and Inputting Data | | 1 |
| | Tables in HTML + Quiz | |
| | Ordered and Unordered Lists | |
| | Forms for collecting data | |
| | Project: HTML Forms + Quiz | |



| LESSON | TOPIC | DURATION |
|--|---|----------|
| Weeks 11~12: CSS | | 2 |
| | CSS Basics The Box Model Floats and Positioning FlexBox Grid + Quiz Project: Positioning and Floating elements + Quiz Best practices Background and Gradients + Quiz Project: Building with Background and Gradients + Quiz | |
| Week 13: Design and UX | | 1 |
| | Introduction to Design and UX Fonts & Typography CSS Grids | |
| Week 14: Responsive Design & CSS Frameworks | | 1 |
| | Responsive Design Project: Building With Responsive Design + Quiz CSS Frameworks: Bootstrap, Foundation + Quiz Project: Using Bootstrap + Quiz | |
| Week 15: Advanced CSS | | 1 |
| | Animations, Subtle Effects and Compatibility + Quiz Using CSS Pre-processors to Save Time Project: Design Your Own Grid-Based Framework + Quiz Conclusion | |



| LESSON | TOPIC | DURATION |
|---|---|----------|
| JavaScript (Weeks: 10) | | |
| Week 16: Introduction | | |
| | Introduction + Exercism A Quick Review | |
| Weeks 16~18: Organizing your JavaScript Code | | 3 |
| | Introduction Objects and Object Constructors + Quiz Project: Library + Quiz Project: Tic-Tac-Toe + Quiz Classes + Quiz ES6 Modules Project: Restaurant Page + Quiz OOP Principles Project: Todo List + Quiz | |
| Week 19: JavaScript in the Real World | | 1 |
| | Linting Dynamic User Interface Interactions + Quiz Forms + Quiz Webpack ES6 and Beyond | |



| LESSON | TOPIC | DURATION |
|--|--|----------|
| Weeks 20~21: Asynchronous JS, JSON and APIs | | 2 |
| | JSON Async Working with APIs Async and Await Project: Weather App + Quiz Web APIs | |
| Week 22: Testing & Finishing up | | 1 |
| | Testing Basics Project: Testing Practice More Testing Project: Battleship + Quiz Finishing up Project: Final Project + Quiz Conclusion | |
| Week 23: JavaScript Libraries & Metalanguages | | 1 |
| | Learn jQuery: Basics Learn jQuery: Forms Project: jQuery Basics + Quiz | |
| Weeks 24~25: Frontend Frameworks | | 2 |
| | Introduction to Frameworks Diving into React.JS | |



| LESSON | TOPIC | DURATION |
|--|---|-----------------|
| Serverless Architecture & Jamstack (Weeks: 1) | | |
| Week 26: Jamstack and the Serverless Architecture | Introduction to Serverless & Jamstack Static Site Generators: Eleventy Database as a Service: Firebase + Quiz Database as a Service: FaunaDB Functions as a Service Conclusion | 1 |
| Final (Individual) Project (Weeks: 4) | | |
| Weeks 27~30: Final Individual Project | | 4 |
| Total Course Duration | | 30 weeks |



Month
01

Section #1 Intro To Employability & Effective Learning

Understanding what makes a person employable and what skills companies are looking for in potential hires. Also, we will be talking about how you can get the most out of the course.

Section #2 Self-Awareness

What makes a person self-aware? We will be using a variety of tools and methods to better understand ourselves and the career we want to eventually get into.

Month
02

Section #3 Communication

We will be exploring and practicing ways to become an effective communicator.

Section #4 Time-Management & Effective Learning

We all have a very limited asset that no money can buy- our time. Knowing how to manage it effectively and what tools to use can increase our value provided to the world exponentially.

Month
03

Section #5 Feedback & Teamwork

Whatever career you choose, being an effective team player & giving others feedback is likely to be a huge asset allowing you to supercharge your personal growth and climb the career ladder.

Section #6 Creativity & Critical Thinking

Complex problem solving & innovative thinking are some of the most critical skills to be successful in your career. We will be exploring different tools & methods for you to practise these skills.

Month
04

Section #7 21st Century Mindset

What are employers looking for? How to future-proof yourself to thrive in the ever-changing 21st Century?

Section #8 CV

We will explore what makes CV a success and our team will review your CV to ensure it is all polished and ready for recruiters

Month
05

Section #9 LinkedIn & Personal Brand

Together, we will designing an effective LinkedIn Profile and employing LinkedIn job seeking strategies

Section #10 Interviews

Individual one on one support from our team to make sure you are prepared & have all the tools you need to successfully venture out into the job seeking journey

Month
06

Section #11 Alumni Q&A

Meet with successful Alumnis to ask them whatever you want to learn about landing a job as a developer

Section #12 What's Next Prepare Your Post-Course Strategy

Individual one on one support from our team to make sure you are prepared & have all the tools you need to successfully venture out into the job seeking journey



Ready to enroll for our next career track?

Apply Now >