

Full-Stack Coding Bootcamp

Course Syllabus

We're Here to Get You a Better Career

“ I got hired by Google as a software engineer after attending this bootcamp. Sure, I had to do some extra self-study to pass the interviews, but this school is the reason I was familiar enough with Java fundamentals to even get past the phone screen. Even after six months at the big G, my day-to-day work is still chock full of concepts that I learned at this school. In short, I cannot recommend Skill Distillery highly enough. Their curriculum is highly relevant to the industry. I could not have done it without them the skills you need to transition into a career you love.” - Josh B.

Our Program

Skill Distillery's Java coding bootcamp is an immersive, hands-on program where you learn the critical coding skills to build a lasting career not only as a web developer but as a full-stack Java application developer. Our goal is to create an environment where you can focus on building the skills you need to transition into a career you love.

Prerequisites

No prior coding experience is required. Our course is designed to take you from zero experience to becoming a full-stack Java developer.

What Makes our Award Winning Program Unique

- Job-focused curriculum giving you 2 to 3X more job opportunities than other schools
- Job preparation workshops and resume and employment assistance
- Preparation for the Java Oracle OCA/OCP certification exam
- Access Skill Distillery's Alumni and employer networks to speed your job search
- Alumni discounts at ITCourseware.com to further your career

16 Week Full-Stack Java Coding Bootcamp

This 680 hour course is taught live M-F from 8:30 am to 6:00 pm (MT) with a an hour break for lunch. Teaching assistants are available M-F until 7pm and on Saturday from 10 am to 2 pm.

Fundamentals of Programming Using Java

Set up your computer and begin learning the basics of Java Programming. You will gain familiarity with tools like Eclipse which you will use to write code. You will also learn Java concepts such as conditional statements, loops, arrays and data types.

Project: Make Change

In this project, you will be creating a cash register program. It will take in the cost of a purchase and the amount of money tendered, then return the correct change in the largest possible denominations.

Object-Oriented Programming in Java

Object-Oriented Programming is the core of Java. This week, you will learn what objects are and how to use them to create efficient and readable code. You will also dive into the nuances of Strings and Interfaces.

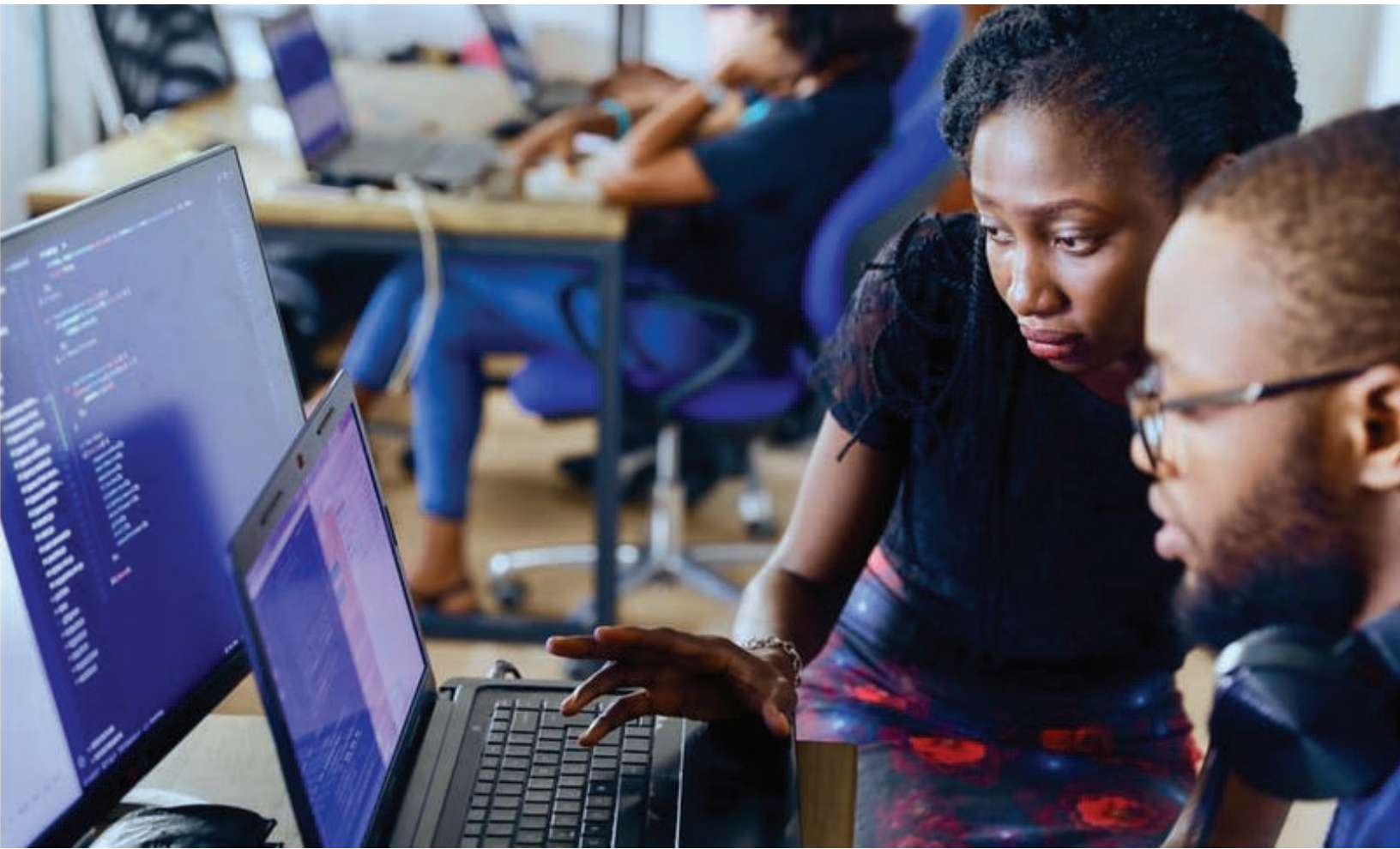
Project: Food Trucks

In this project, you will be creating an application that simulates a Food Truck service. You'll store information about various food trucks using data structures and allow users to access the data.



A Typical Day...

The typical day consists of short lectures, lots of hands-on coding, pair programming and individual projects, and breaks to stay fresh. Throughout the program, you will have access to supported study sessions, guest speakers, and other school-hosted activities.



Week 3-6

Award Winning Program

Java Libraries

Java provides programmers with many tools. This week you will begin using a few of them such as maps, sets and lists to better organize your data. You will also learn how to use dates and times within Java.

Java Review / Oracle Certification Exam Prep

Prepare for the optional Oracle Certification exam. This week solidifies the knowledge gained in the first four weeks of the program by taking mock exams, revisiting Java topics, and pair programming exercises.





Week 7-9

Introduction to SQL Programming and JDBC

Learn how to write SQL, the relational database language. You will learn how to create, read and manipulate data in a relational database.

Project: Spring MVC C.R.U.D.

You will be building an application for a video rental store using a database that is populated with thousands of data points. You will be able to create, read, update and delete (CRUD) movies from the database.

Spring MVC

The model-view-controller pattern is used as a back bone to developing our first full stack web projects. This is a standard still used throughout the industry, and a grounding in these techniques provides a launching pad for the midterm project.

Java Persistence API

Learn about the Java Persistence API for interacting with databases. This is where you will learn about client-server technology.

Week 10-13

Project: Midterm

The midterm group project takes all of the knowledge that you have gained over the first nine weeks of the program and brings it together in a full-stack web app. All members of the cohort can pitch ideas for this project, after which groups are put together and work towards the final product over the subsequent two weeks. Once finished, the projects are presented to the class.

Introduction to JavaScript

With the midterm fresh in our rearview mirrors, we begin learning JavaScript. This language allows for more interactive, modern-looking interfaces that reflect the current state-of-the-art web design practices. JavaScript makes data manipulation into a practical art form, one that is in high demand in the software development world.



JavaScript, DOM Manipulation and REST APIs

This week, you will continue learning about JavaScript and will learn a few new concepts, such as DOM manipulation. With DOM manipulation, you will be able to find and target elements from your HTML with JavaScript itself. You will also learn how to build REST APIs which will allow you to access and change your database using various URLs.

Project: Event Tracker

Over the course of several weeks, you will create and continue to improve an Event Tracker Application. This application can track anything from gas mileage to fitness plans and will use a database to store your data. This will start as a REST API, and then you will add a JavaScript / HTML front end before finishing it with an Angular front end.



Week 14-16

Angular

This week, you will finalize your understanding of Angular in anticipation of the final project. You'll learn about things such as pipes, authentication and services which you will use during your final.

Project: Final

Your final project involves building a full-stack web application of your choosing. It will use a SQL database that will allow users to create, read, update and destroy data within it just like a real business application.

Computer Science Topics and Job Preparation (resume, mock interviews)

You will learn some Computer Science topics that are commonly used in the industry such as data structures. You will also get a chance to finalize your resume, practice in some mock interviews and set up your social media to help you find work.

Next Steps

- 1) **Start an application:** apply.skilldistillery.com
- 2) **Schedule a call:** skilldistillery.com
- 3) **Attend our events:** skilldistillery.com/events

