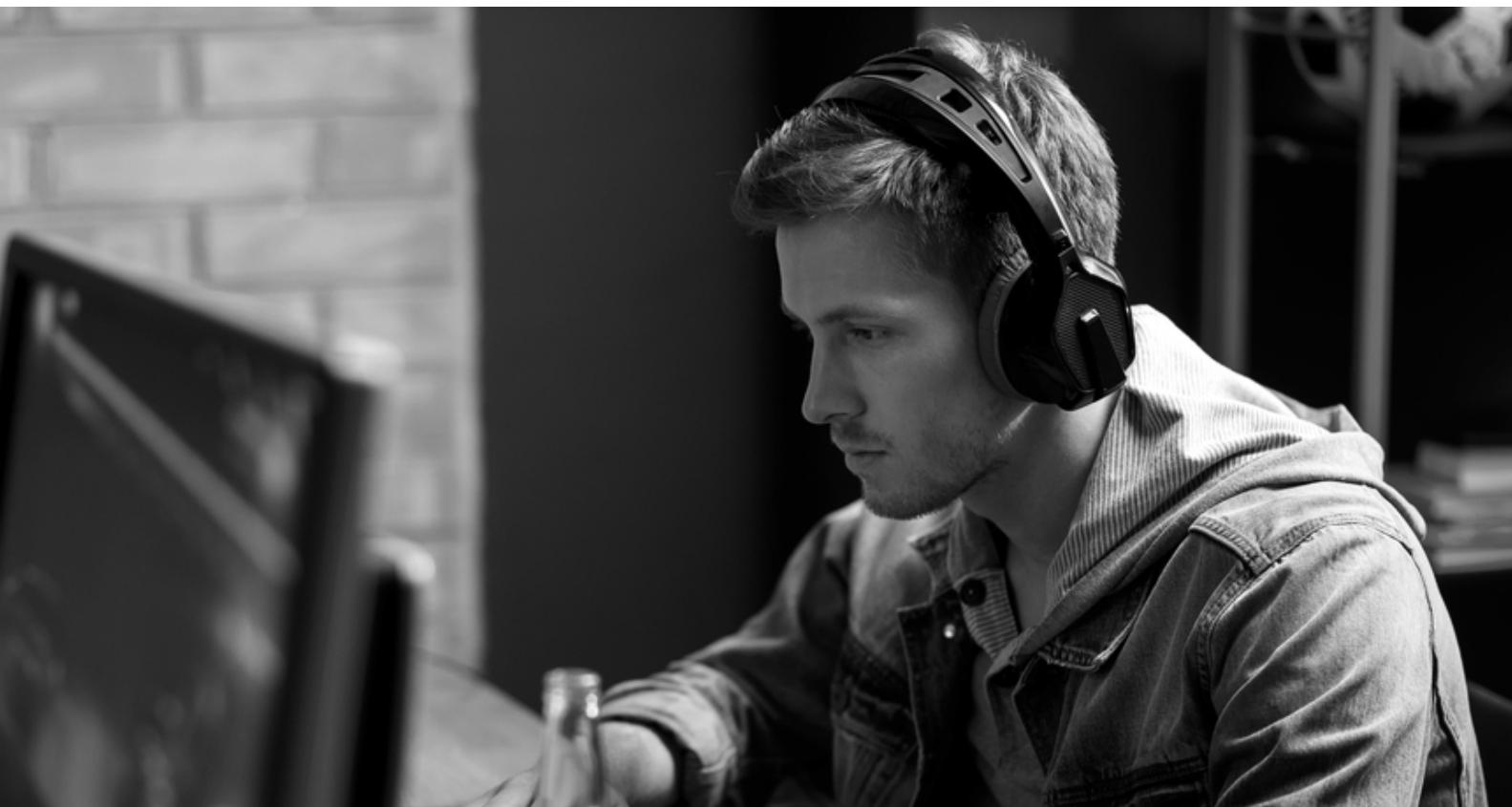


Full-Stack Coding Bootcamp

JAVASCRIPT

FULL TIME - 12 WEEKS - 320H - ONSITE
EVERY MORNING



[HTTP://DEVELOPERS.INSTITUTE](http://developers.institute)

Welcome to Developers Institute in Tel Aviv

Thank you for your interest in Developers.Institute.

We hope this syllabus will answer your questions about what you can expect from your experience here. We can ensure that you have all the information you need to make a decision about the next step in your journey toward a new and exciting career.

Our job is to teach you how to code with the right mindset - the Israeli startup mindset.

We look forward to meeting you!

Our Course



Want to become a web developer? This is how it's done. In this intensive, fully immersive, English-speaking course, we'll teach you everything you need to know to unlock your spot in one of the fastest-growing industries in Israel.

Don't worry if you don't have previous experience - **beginners are welcome.**

Our program will provide you with mentorship, a data-driven curriculum and a top notch learning environment that will launch you into your first developer role. Your work starts with our prep course (2 weeks duration) before the course officially starts. On day one, we hit full speed and don't stop until you graduate.

Learn from experts: Receive instruction and mentorship from top web developers and connect with Developers.Institute's thriving community of pros and peers.

Develop new skills: build real websites while collaborating with classmates on a range of projects.



Syllabus



What You Will Learn

We teach the skills you need to kick-start your career as a developer and a lifelong learner. From programming fundamentals to launching full-stack web apps, you'll learn to solve problems with code while applying industry best practices in a collaborative environment.

Learn to code and become a web developer with HTML, CSS, Javascript, React, and Node.js.

01

PROGRAMMING FUNDAMENTALS

Understand how to set up your development environment, work efficiently as a developer, and make your projects a success. Learn programming fundamentals, along with the basics of computing, networks, and data structures.

02

FRONT-END WEB DEVELOPMENT

Before you start working with cutting-edge libraries and frameworks, gain an understanding of how to write solid JavaScript code. Learn to build a dynamic front-end to your web application using a modern JavaScript libraries, and use CSS to layout and style your application.

03

BACK-END WEB DEVELOPMENT

Integrate your front-end applications with a back-end to store and process data. Learn to use Node.js, the extremely popular JavaScript runtime engine built for the server. Dive into the world of SQL databases, connect your users and build APIs.



Syllabus



Bootcamp PREP (remote)

Programming Fundamentals
HTML5 & CSS3
Coding challenge

Week 1 - Front-end Development

HTML5 & CSS3
CSS Grid + CSS Flexbox
Bootstrap 4, Templates and building landing pages
Responsive design
Command Line
Git & GitHub
Developer Environments (VS Code, Sublime Text,...)

Week 2 - JavaScript

JavaScript Basics - Variables, Control Flow, Loops
Data Types & Structures - Arrays, Objects Functions

Week 3 - DOM Manipulation

DOM - Document Object Model
DOM Selectors & Events

#HACKATHON

Week 4 - Advanced JavaScript

Scope
Advanced Control Flow
Advanced Functions
Advanced Data Types & Structures - Arrays, Objects
Advanced Loops
ES6 ES7 ES8 ES9 ES10 ES11
Object Oriented Programming
Functional Programming
Error Handling



Syllabus



Week 5 - HTTP/JSON/AJAX + Asynchronous JavaScript

JSON & XML
JSON vs Form Data
AJAX
Promises
ES8 - Async Await
APIs

Week 6 - Relational Databases

Setting up an SQL Database : PostgreSQL
SQL Querying & Filtering

Week 7 & 8 - Backend Development

#HACKATHON

Node.js
Building a server
Express.js
Modules in Node
RESTful APIs
Node File system Module
Connecting to Databases
Authentification

Week 8, 9 & 10 - React.js + Redux

Introduction to React.js
Create-react-app
Building a React App
Error Boundary in React
Redux & State management

Week 11 & 12 - Personal Project

Project Management & Agile methodology
Career PREP : Tech Interview
GitHub Portfolio
Production
Deployment (Heroku or AWS)

Practice, practice, practice! This is the most important part of the bootcamp. You'll learn to work in a technical team and get organized as such. Employers love to have young recruits already up to speed on agile methodology.

We'll teach you to put your new skills to use in real world scenarios and start to create your portfolio.

Exclusive Offer



Unlimited Bootcamps

The world of programming is never ending. New technologies are constantly being crafted and you, as a future developer, need to keep up with such advancements.

This is why we offer lifetime access to our courses both onsite and online. We call it Unlimited Bootcamp. With this unique value-added benefit, graduates of Developers.Institute have access to our courses for life. Graduates can return at any time to learn a new technology or refresh their expertise on an existing technology— and in most cases there is no charge whatsoever.

It's a free software upgrade for your knowledge and skills.

Career Guidance

Master new skills and put them to work. All of our immersive graduates receive a career coach, job-readiness training, and direct access to employers and professionals.

- Job & career coaching
- Connection to resources
- Networking opportunities

Our in-house career coaches provide resources and guidance to get you on track for an exciting career.

Exclusive Offer



Mindset Classes

Throughout the bootcamp, we offer extra-curricular lectures and workshops to help you learn the startup mindset, prepare for job searches, develop entrepreneur thought processes and more. These are all optional, but highly recommended!



Experience

After completing a course, we offer our graduates help securing an optional 2-month (unpaid) internship, so that you will be able to add real-world experience to your CV.

DI Learning Platform



Screenshot of the DI Learning Platform's Course List page. The page shows a grid of course cards:

- Welcome to Developers Institute**: Welcome message with a 'start here' button.
- Boncamp Prep**: Information about the bootcamp, with a 'start here' button.
- Coding challenge**: A challenge related to Python, with a 'start here' button.
- Python Coding Bootcamp**: A detailed section with sub-sections like 'Week 1 - Web development basics', 'Week 2 - JavaScript', 'Week 3 - DOM', and 'Week 4 - Python and web programming'. Each sub-section has a 'start here' button.

Screenshot of a specific course page titled 'Course : Numeric types'. The page includes:

- A breadcrumb navigation: Collections / Courses / Day 1 - Starting with Python / Course : Numeric types.
- A progress bar showing 'Total XP: 190'.
- The course title 'Course : Numeric types' with a 'Done' button and a 'Edit Chapter' button.
- A video player showing a video titled 'Numeric types' from a channel named 'Developers Institute'.
- A sidebar with 'In This Chapter' and links to 'Code' and 'Discussions'.
- A list of sub-sections with completion status (e.g., 'Installing python' is 'Done', while others like 'Course : Strings' and 'Course : Numeric types' are also 'Done').

DI LEARNING PLATFORM

You'll have access to our custom-built online learning platform, which includes volumes of video tutorials, readings and quizzes.

Full Access

Your ability to pick up new technologies and frameworks doesn't stop after class. The platform provides 24/7 access to our curriculum and the stacks you'll be learning.

Fully Loaded Curriculum

Our learning platform houses our full curriculum, which consists of hundreds of hours of content on the industry's most in-demand software stacks.



Meet your Instructors



ZIV CHEN
LEAD INSTRUCTOR

JONATHAN SPILLER
INSTRUCTOR

ANDREI NEAGOIE
ONLINE INSTRUCTOR

A DAY AT DEVELOPERS.INSTITUTE

9:30am Coffee & code: Start your day with your daily challenge.

10:00am Live Instruction & Exercises: The class format combines both instruction and exercises.

1:30pm Lunch

Online Training: You'll be tasked to dig deeper into the curriculum through our online learning platform.

Start your Application Now

READY TO APPLY?



01

APPLY

Submit your application on
join.developers.institute



02

INTERVIEW

Interview with our
admissions team



03

CODE

Complete the coding
challenge when you're ready

Apply here: <http://join.developers.institute>

If you have any questions regarding your application, feel free to contact us at
megane@developers.institute or call us on [+972 \(0\)545 78 78 02](tel:+972(0)545787802)

For more information, please see our website: <http://developers.institute>