

JAVASCRIPT FULL-STACK CODING BOOTCAMP

Full time - 12 weeks | Part time - 24 weeks



**Live online, onsite and
hybrid plans available**

<https://developers.institute>



Welcome to Developers.Institute

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'd like to 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!

How are we different?

- Outstanding Curriculum
- Unlimited Bootcamp
- Small groups
- Real Job support



Ranked #31 in SwitchUp's Best Coding
Bootcamps Worldwide 2021

The Pillars of Developers.Institute

1. CURRICULUM
2. Community
3. Career



Course Structure

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.



- ▶ We teach you how to learn - Your most valuable skill is knowing how to learn new technologies. That's how you'll stay in demand in the tech industry.
- ▶ We teach you to work as part of a team to set you apart on your job search.
- ▶ We work closely with the tech industry.



Syllabus Overview

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.js and Node.js.

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.

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 for your web application using modern JavaScript libraries, and use CSS to layout and style your application.

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 by Week - Full Time & Part Time

Self Paced

BOOT CAMP PREPARATION

- Programming Fundamentals
- HTML5 & CSS3
- Coding challenge

Part 1

FRONT-END DEVELOPMENT

- HTML5 & CSS3
- CSS Grid + CSS Flexbox
- Bootstrap 4, templates and building landing pages
- Responsive design (mobile)
- Command Line
- Git & GitHub

Part 2

JAVASCRIPT

- JavaScript Basics Variables, Control Flow, Loops
- Data Types & Structures - arrays, objects, functions
- Advanced Javascript - Self paced learning
- React.js - Self paced learning

1. CURRICULUM

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Part 3

DOM MANIPULATION + HACKATHON

- DOM - Document Object Model
- DOM Selectors & Events
- Developer Environments (VS Code, Sublime Text)

Part 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
- Error Handling

Part 5

HTTP/JSON/AJAX + ASYNCHRONOUS JAVASCRIPT

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

Part 6

RELATIONAL DATABASES

- Setting up an SQL Database: PostgreSQL
- Writing SQL Requests

1. CURRICULUM

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Part 7

BACK-END DEVELOPMENT + HACKATHON

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

Part 8

REACT.JS + REDUX

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

Part 9

CAREER COACHING & PERSONAL PROJECT

- Project Management & Agile Methodology
- Career Prep: Tech Interview - self paced learning
- GitHub Portfolio
- Production
- Deployment (Heroku or AWS)
- Career Coaching (In house Tech interview)
- Ace your coding interview - self paced learning

Please note that this curriculum is subject to change.

1. CURRICULUM

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Portfolio Projects

DAILY CHALLENGE

Embrace the habit of coding everyday

CODING CHALLENGE

Compete with your friends to make the best code ever



HACKATHON 1 & 2

1. Group e-commerce site
2. Personal hackathon project

FINAL PROJECT

Final, most ambitious project

PORTFOLIO PROJECT

Build a portfolio of projects and prepare for the job search

While any good bootcamp will make sure you graduate with individual portfolio projects, Developers.institute is one of the only bootcamps that makes sure you graduate with multiple team projects in your portfolio.



Career Prep

REGULAR INTERVIEW PREP

WORKSHOPS

- Mock behavioral interview
- How to pitch yourself
- Build your resume
- Optimizing LinkedIn profile
- How to begin the job search
- Job application & follow-up best practices
- Behavioral interview prep

1. CURRICULUM

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Unlimited Bootcamps



- Online and Onsite Bootcamp for life: Access our online and onsite Coding Bootcamp at any time after your first Bootcamp for life.
- Slack communities: Join our community on Slack to find support, technical help, advices and get additional and valuable network from our alumni.
- Online learning platform: Access our online learning platform for life, with updated courses, assignments, projects, hackathons and hundreds of hours of learning materials.
- Monthly alumni meetings: Meet new professionals, enhance your network



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 and 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.

1. Curriculum
2. **COMMUNITY**
3. Career



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.



Instructors

Our instructors are experienced programmers. 95% of our instructors are experienced in startups or in the army.



Alumni

We have hundreds of graduates all over the world, who you can meet through our monthly meetings.



Students

Our students come from all industries and 25 different nationalities.

1. Curriculum
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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.

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Onsite Course

Developers Institute's flagship course, the Full-Time Coding Bootcamp is a 12-week career accelerator at our campus.



Online Live Course

Our live online classroom guarantees real-time feedback and personalized evaluation in an interactive format with the high-quality education outcomes you can expect from Developers.Institute.



Hybrid Course

Same in-person experience, now live online & in-person.



1. Curriculum
2. Community
3. CAREER



Our Alumni Work Here



1. Curriculum
2. Community
3. CAREER



Hiring Partners

We work with a range of tech companies, across all sectors, and of all sizes. Our hiring partners are invited to review our curriculum, give guest lectures, and of course, meet our students. We work closely with them to ensure what you learn is exactly what they need, and make sure you are introduced to the right people.



Portfolio

The Full Stack Track includes regular projects, a Hackathon and daily challenges throughout the course. This embeds what you learn, but also means that you can prove your abilities to employers with your own portfolio site, Git repositories, and an impressive collection of projects.



Continuing Support

Following graduation we continue sharing opportunities from hiring partners, tech companies, and agencies, and are still available to ask for advice and guidance if you need it. After several years of experience, when you are ready to move on to mid or senior roles, keep in touch and we'll help to connect you with hiring partners who are looking for developers at a more advanced level.

1. Curriculum
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How long will it take?

Our Full-Stack Development course runs several times per year, with a number of possible formats. Check our website for the most up-to-date session listings.

Full time

- 240 hours over 12 weeks
- Our signature 12-week format is daily and perfect for those willing to learn fast and in a very intensive way.
- Sessions are every morning.

Part time

- 240 hours over 24 weeks
- Our signature 24-week format is offered on evenings and is perfect for those balancing their learning with a full-time job.
- Sessions are three times a week.



1. Curriculum

2. Community

3. CAREER

	PART TIME	FULL TIME
Objective	Career supplement: enhance skill set	Career transition: Build prototype
Coding background	No	No
Admission process	Yes	Yes
Number of weeks	24	12
Days	3 times a week	Every morning
Total number of hours	Bootcamp prep: 20h Bootcamp: 240h	Bootcamp prep: 20h Bootcamp: 240h
Checker	Yes	Yes
Private tutor	Case by case	Yes (if we think you need it)
Final project and pitch day presentation	Yes	Yes
Technologies covered	HTML, CSS, Javascript, Node.js, React.js	HTML, CSS, Javascript, Node.js, React.js
Unlimited bootcamp eligibility	Yes	Yes
Mindset classes	Yes	Yes
Access to Developers Institute network	Yes	Yes
Internship	Optional	Yes
Career development	Yes	Yes

Start Your Application Now

READY TO APPLY?



1 APPLY

Submit your application

2 INTERVIEW

Admission interview

3 CODE

Coding challenge

APPLY HERE: [HTTPS://DEVELOPERS.INSTITUTE](https://developers.institute)

We proudly partner with:



משרד העבודה הרווחה
והשירותים החברתיים



Our Campuses



Headquarters: Israel

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Scholarships

A variety of scholarships are available from our partners:





Developers.Institute

Intense, career-oriented courses



LEARN TO CODE

Live online, onsite and
hybrid plans available

<https://developers.institute>