Codeworks

Software Engineering Immersive Program

| REMOTE | 12 WEEKS |

Syllabus

Learn how to be a great web developer and build complex apps, with an advanced understanding of JavaScript. Whether you want to found your own startup or join top companies' engineering departments, this program gives you the right tools to succeed.

Admission Challenge REMOTE, 4 WEEKS

This is where you start if you have minimal or no coding experience. Topics include: programming fundamentals, basic JavaScript + HTML + CSS, basic HTTP + Linux + jQuery.

Pre-Course REMOTE, 160 HOURS

Once you complete the admission challenge, you're officially admitted to our program and enter the pre-course. Topics include: intermediate JavaScript + HTML + CSS, jQuery, Git, Developer tools, intro to APIs.

Main Course REMOTE, 3 MONTHS

This is the heart of the Codeworks system. It's divided into two sections. During the first half, you concentrate on theory and advanced programming topics. The second half is dedicated to applying all you've learned and using these skills to build complete products.

Main Course Breakdown

Week 1 – 3

Advanced JavaScript, unit testing, fundamentals of other programming languages, data structures, algorithms, complexity analysis, networking (Internet, HTTP, WebSocket).

Week 4 – 5

Back-end frameworks (Node, Express, Koa, GraphQL), databases (SQL, MongoDB, Redis), advanced HTML and CSS.

Week 6 – 7

Front-end frameworks (Angular, React), end-to-end testing.

Week 7 – 8

Security threats, authentication, personal project, automated tasks.

Week 9

First group project, end-to-end testing, advanced state management.

Week 10 – 11

Second group project, continuous deployment, DevOps (Docker), demos.

Week 12

Portfolio preparation, tech interview training, career support, systems architecture, open source contributions.

Tools

These are some of the frameworks and tools that you'll master during the Software Engineering Immersive program.

ANGULAR   Express   git   koa

node   React   Firebase   GraphQL

Travis CI   docker   Redux   socket.io

Outcomes

Codeworks consistently has the top hiring rate among bootcamps, and our students get better salaries than the industry average.

Check out our latest outcomes here, and see how we measure them here.

Admissions

Admission to Codeworks isn't just about technical ability, we also look for soft skills and students who will be a positive addition to our student body. To be admitted you must pass two interviews - one technical and one personal.

Tuition

We retain an exceptional faculty, and deliver an experience that outperforms the alternatives.

Select a location to see fees for each course.

Financing Options

We believe in meritocracy, and think resources should never be an obstacle. You can check all our financing options available here.

Applications & Start Dates

Classes start every 7 weeks. Select a location to see the upcoming course dates.