Part-time coding bootcamp

Are you ready to make the jump?

Professional Full-Stack Web Developer syllabus

{the jump}
Digital School

Bootcamp Overview:

Part-time, Full-Stack, Real-time, Remote:

Whether your goal is to:

1. Break into the industry as a developer
2. Upskill to advance your career (as a dev or non-dev)
3. Implement your entrepreneurial ideas

We can help you make the jump with our programme of in-depth software engineering training and optional career-change support.

Learn to develop and deploy enterprise-grade software to a professional standard without having to quit your job to train. Participate in 2 evening training sessions per week over 30-weeks and complete the homework or project work each week.

You can join our **live**, **interactive** and **instructor-led** training sessions remotely to **learn from anywhere**. The format is the same as in-person - you can ask questions whenever you want, talk with the other students and **invite us to see your screen and take remote control of your code editor when you're stuck**. We provide on-going support for the 30 weeks so help is available when you need it.

We helped Aaron make the jump:

"The Jump has been life changing for me.

Just one month into their JavaScript bootcamp and I was able to start interviewing for roles that I was originally planning on interviewing for in a year's time. I couldn't believe it, but thanks to what I'd learned so far

I got the job.

I've never had such quick return on investment with anything.

These guys have truly hit the nail on the head for the London market.

So many bootcamps focus on Ruby but the demand is really for

JavaScript

and their professional JS course is ridiculously thorough.

I've tried a lot of different coding resources since starting my career and nothing quite beats face to face tuition with a professional. James, is a true master of his craft and his passion for quality code really rubs off on you!"

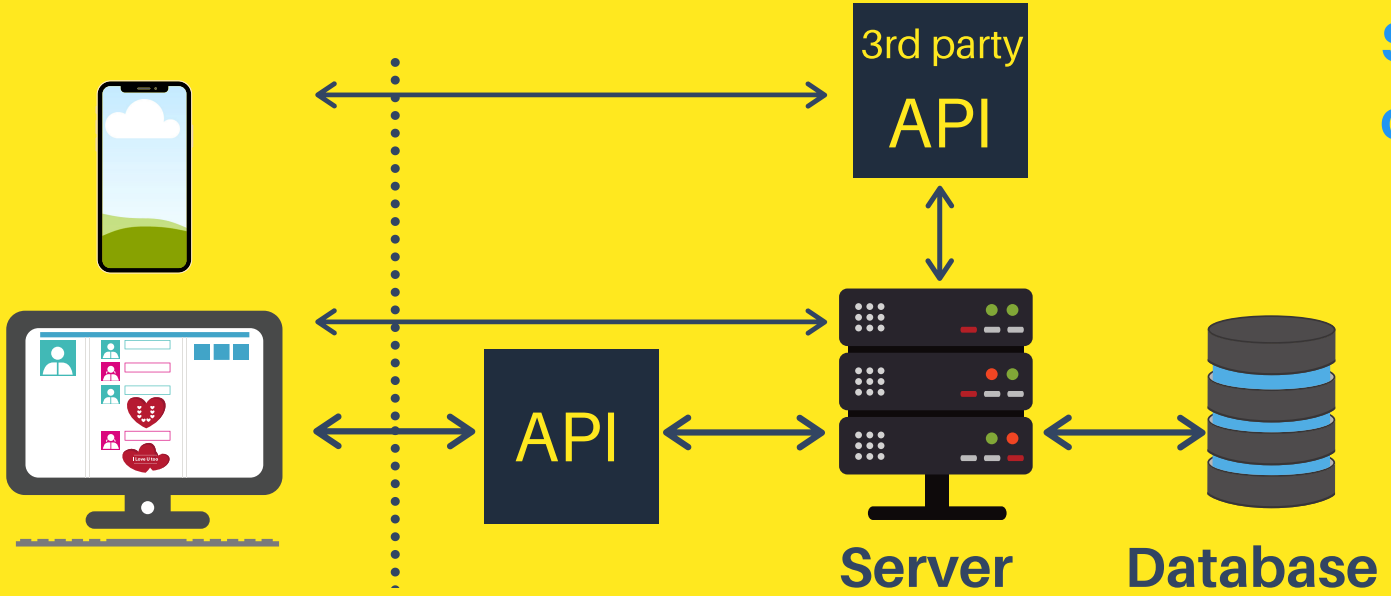
What will you learn:

Everything you need to create fast, scalable and secure, websites and web apps that deliver great user experiences.

The constituent parts of the internet and websites: The Client-Server model

Client-side or Front end

Client: Anything that requests information from a server, such as browsers, apps & IoT devices.



Server-side or Back end

Browser: A software application (e.g. Chrome/Safari) that locates and accesses websites/applications stored on servers, displays their user interfaces & runs some of the sites functionality.

User Interface (UI)**:** The part of a website/app that the user sees and interacts with.

API's: Application Programming Interfaces allow external clients to utilise an organisation's internal services. So for example, company A can access company B's public API to allow A to safely query B's database e.g. to check goods availability & purchase them.

Servers: Machines programmed to send resources (e.g. files or data) when requested by a client. They can also perform actions on behalf of the client, such as querying the database, performing calculations or contacting other servers (e.g. 3rd party services)

Databases: They store your site's data.

The programming languages to control those parts:

HTML (Hypertext Markup Language): Create the structure and content of your web page. Make elements like images, forms and links. Give semantic meaning to your content to be screen-reader accessible and optimised for indexing by search engines.

CSS (Cascading Style Sheets): Manage all of a page's styling such as layout (Flexbox, CSS Grid), colour and fonts. Learn to accurately implement designs and style attractive, responsive and user-friendly UI's that are consistent across screen sizes and browsers. Use Frameworks like Materialize and Twitter Bootstrap.

JavaScript: Create the logic to control how the constituent parts respond to events, triggered by users or programmes.

Learn the language: e.g. data types, data structures, variables, control flow, loops, functions and general syntax.

Learn to use it to: manipulate your user interface; create 2 and 3D animations; build Single Page Applications using React & Redux; call and build API's; implement realtime changes with sockets & graphing; build your server programming in Node, and learn test-driven development.

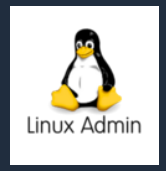
SQL & NoSQL: control and administer data held in relational and non-relational databases.

The tools & systems to create, edit, debug, test, deploy & host your code:

Create, Edit and Debug: Write your code in VS Code. Play with ideas in Codepen and demo your thinking. Inspect code with Chrome Developer Tools



Administer servers and processes: Command Line Interface / Linux Administration / Bash - to perform tasks optimally like a pro.



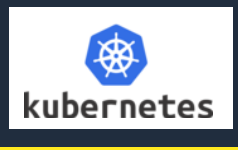
Version Control and cloud service providers: Use Git to push code to different stages of production. Use Github and Heroku for collaboration and hosting.



Testing: Use frameworks like Jest and Cypress to test your code.

Build processes: Use Webpack or Gulp to optimise your code for deployment.


DevOps: How to deploy your code optimally; anywhere; in any configuration; automatically.



Industry standards and best practice for writing software:

Design patterns: e.g. MVC (Model View Controller) to separate out business logic, presentation layer and data.

Programming principles such as **DRY** and **SOLID**

Programming paradigms: Object-Oriented Programming, Functional Programming.

We helped Sam make the jump:

"The best investment I've made to advance my professional career. The course syllabus has provided me with a great foundation to undertake developer projects at work, unlike lots of other well-known coding boot camps, the program does not teach outdated teaching frameworks & languages that are no longer in demand.

James, the tutor, is very responsive to questions, and it was a real privilege to have a highly skilled and experienced developer to learn from throughout the course.

The classes are the right size so everyone can get one to one tutoring and detailed feedback on coding homework.

If anyone is deliberating whether to sign up to the course, don't worry, it will be an excellent investment in your future and equip you with skills to stay relevant in the future job market

Who we are:

The Three Amigos

The Jump is run by James, Robert and Katie and was set up to help you learn to code to a professional standard so that you can take control of your future and create the life that you want:

The problem we're fixing:

Barriers to learning are stopping people from acquiring the tech skills that the market values. As a result, almost **800,000** tech roles remain unfilled, costing the UK over **£63bn** per year. As automation makes many non-tech skills obsolete, the World Economic Forum is warning of **mass unemployment** if people don't adapt and reskill.

Our mission:

Remove those barriers that stop people learning the developer skills that the market values, so they can take control of their future and create the life they want

Our network:

We partner with firms like Bloomberg and networks like Coding Black Females so we can train great talent for great opportunities.

Why train with us:

Reduced financial impact:

Cost: Our tuition fees are lower than most of our competitors, some of whom charge £12,500.

Part-time: You don't have to quit your job so you won't lose a 3rd of your annual income and have to struggle.

Reach a higher standard:

Train for longer: Remove the financial pressure to rush through it in 12 stressed-out weeks. Instead, take more time to explore concepts, play with ideas and practice mastering your craft in order to reach a higher standard.

Give yourself space to think

A focus on valuable technology:

NO Ruby: Most schools teach Ruby. We don't. It's a stagnating technology and is no longer what the market values. There are over 6 times more roles for JavaScript developers than Ruby developers. So rather than divert your time & attention to what was valuable 5+ years ago, we focus you on what's valuable now.

Guidance & support throughout:

We're with you on the journey: You can always reach out to us if you're stuck, so you're never on your own.

Industry experts: All our staff are current industry professionals, not academics or out-of-date trainers.

Optional Career-change support:

Make the jump: Whether it's building your portfolio, interview practice or tailoring your CV, we can help.

Personal commitment:

This is our company & our passion: We're not a faceless corporation, your success is our success and we'll work just as hard as you, to get you where you need to be.

We helped Hannah make the jump:

An in depth course at half the cost with the best aftercare!

The Jump was a great compromise for me as I wanted structured learning and hands on support but couldn't commit to a full time course.

I'm in a much better position to work on personal projects and even after the course has finished, James is quick to answer questions when I'm struggling.

After trying out several online web courses, I found myself understanding most of the basics of Web development but still being confused when applying these to an actual project.

Although challenging, James always re-explained topics where necessary and would follow up with extra examples out of class.

This level of support can't be found anywhere else!

Key Info Recap:

Become a professional standard software developer without having to quit your job and lose your income while you train

1. What we offer:

Topics at a glance: HTML, CSS, JavaScript (including React & Redux, Node & Express); API's - Rest & GraphQL, realtime (sockets & graphing); Databases - SQL & NoSQL (Mongo & Postgres); DevOps (Docker, Kubernetes).

Optional Career-change support

2. How we deliver it:

Part-time: 2 evenings per week (18:30 - 21:30) plus 9 hours per week of homework & projects. Plus ongoing support throughout.

Remotely: We use Zoom video conferencing tech to run real-time, interactive, tutor-led training so you can learn from anywhere.

Taught by professionals - All our tutors are professional coding instructors with real commercial experience of working as developers in industry.

3. What is NOT required:

Prior experience: It's designed for absolute beginners and intermediate standard coders.
Pre-work: You will learn everything you need during the bootcamp.

4. Who you'll learn with:

Class-size: Some of our competitors have up to 50 students per cohort. We keep ours to a maximum of 15 much smaller so that our students get more personalised support.

Student backgrounds and goals: Varied - from non-tech roles at firms like John Lewis to tech roles at Play Station and Amazon. From career changers to entrepreneurs.

Join us and make the Jump!