



Program Curriculum

# Full Stack Web Development

2023 Spiced Program Curriculum Full Stack Web Development

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**If you work hard and you're  
prepared to leave your comfort  
zone, you'll be amazed at what  
you're capable of.**

**Stephan Leece**

Now Senior Developer @ Grover

**SPICED**

# Hallo! 🖐️

Everyone has to start somewhere.

For us, it started in Berlin with a simple idea. To propel highly motivated people into the careers they want, through expert-led and meticulously curated tech courses.

We don't just teach the latest technologies, though.

Spiced is an attitude. It's a community and a melting pot. It's a place where you can meet and connect with people that could change the trajectory of your life. Those who help you develop professionally and personally. From your cohort and beyond.

Remember, no-one's born a genius – it's going to take hard work and dedication to get where you're going.

We're here with you, every step of the way 🚀



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## Your future is written in code.

The first step towards your next step, you'll gain the skills to catapult yourself into a rewarding career in programming.

From learning the fundamentals through to building dynamic web pages, you'll hone your abilities in JavaScript, HTML, CSS, Node.js, React and much more. You'll gain essential skills in complex problem solving, critical thinking and effective communication.

It's not just web development, either. It's you development. We focus heavily on career development, meaning you'll learn interview techniques, get resume help, career guidance, LinkedIn tips and guidance throughout the first stages of your job search.

Ready for the next chapter? Let's get started 💪





“I wanted to learn JavaScript and Spiced offered a Full Stack Web Development program with a curriculum that sounded great. After graduation, I joined eBay in Germany. Now I get to attend exciting conferences and work on my own projects. I love being a developer as I get to create things that people actually use.”

**Parinaz Roghany, Berlin**

Now Full Stack Web Developer @ eBay



## Before the Course

(40 Hours)

Before the course you'll be required to pass a short assessment. Nothing to sweat about, we just want to see how you are with basic concepts that will be important for your success in the course.

Upon successful completion of the assessment, you'll be sent some Python-based prep work to get you ready for the on-site portion of the program.



## What You'll Learn

(12 Weeks)



### Phase 1

In the first week of the course you'll focus on the basics of programming in HTML and CSS. We'll start by repeating the basics from the prep course to give you a much deeper understanding. At the end of this phase you'll be well-versed in the fundamentals of GitHub and shell basic commands.

### Important Topics

- HTML
- CSS
- GitHub
- Shell Commands

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## Phase 2

In the second part of the course you will take your previous HTML and CSS skills to the next level and will be able to see your first results. In this phase you will spice your web development basics with JavaScript.

## Important Topics

- Deep HTML & CSS animations
- Forms, input fields
- Arrays and objects
- DOM



## Phase 3

Time to master JavaScript. You'll learn about loops, callback functions and asynchronous coding. We'll also teach you the best practices on how to write clean and efficient JS code. You'll become a Git ninja and learn how to handle conflicts and merge like a pro and test your code.

## Important Topics

- JavaScript
- Loops, callback functions
- Asynchronous coding
- Git advanced - conflicts & merge
- Unit test

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## Phase 4

This phase is fully dedicated to React, a front end framework. React creates a structure in the user interface and helps you to launch web products. You'll learn how to create structured and efficient web applications by learning React's functions and capabilities, gaining an understanding of this in-demand technology that'll boost your career as a front end developer.



## Phase 5

Next is a web application framework that combines both front-end and back-end development. With Next, you'll learn how to create highly scalable web applications with ease, making it an ideal choice for complex projects.



## Phase 6

In the last sprint of the course you'll learn how to build a robust backend for web applications using API routes and MongoDB, a popular non relational (NoSQL) database. With these skills you will be able to create scalable web applications with efficient data storage and retrieval.

## Important Topics

- React
- Building Hooks
- Custom Hooks
- Local storage
- Nested components

## Important Topics

- Next.JS
- React style components
- React component testing
- React data fetching with SWR

## Important Topics






- Backend API route
- MongoDB
- Agile & Design



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# Your day at SPICED



-  **8:30 am** Campus opens for you to come by and start your project work
-  **10:00 am** Morning encounter followed by supervised project work
-  **12:00 pm** Lunch
-  **1:30 pm** Afternoon encounter followed by supervised project work
-  **6:30 pm** Campus closes for the day. Time to go home and get some well deserved rest! 🥱



# Payment options

## Full-Paying

Ready to invest in your future? Pay the full tuition fee (€8,500) 14 days before the course starts.

## Installments

Pay in 3 handy instalments (including a €300 surcharge):

€3,000 – 14 days prior to program

€2,900 – 4 weeks into the program

€2,900 – 8 weeks into the program

## Deferred Payment

If you don't have the means to pay the total compensation upfront or in instalments but still want to participate, we offer a deferred payment option to highly motivated candidates. Those accepted will have a clear vision of what they want to do after SPICED. Applicants will be interviewed and answer a questionnaire.

# Payment options (ctd.)

## **CHANCEN E.G.**

CHANCEN eG is our external loan provider. Upon starting your new job, income-based repayments are made to CHANCEN eG over a 5 year period. Should your annual income be less than €21,000, repayments are not required. Your repayment is then shifted to a period when you earn above the minimum income threshold. You can apply for this payment method using [this link](#).

## **Bildungsgutschein**

If you're registered as unemployed (or soon to be) in Germany, you could be eligible to have all your costs covered with a Bildungsgutschein (training voucher).

Heads up, the more motivated you are, the higher the chances are to get one!

For more information on this option, check our page dedicated to financing your bootcamp with a Bildungsgutschein [right here](#).

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“Most importantly, Spiced feels like a family. When you’re working 8-10 hours a day surrounded by the same people, it’s good to have a supportive work environment and atmosphere.”

**Olof Reimegard**

now Full Stack Web Developer @ Zaplox



## Careers Service

Where practical meets personal, our Careers Service helps turn the dream job into *your* job.

Through group workshops, we help you excel at real-world interviews, and build your communication skills, critical thinking, teamwork and empathy.

And it doesn't stop there – you'll also have access to one-to-one coaching until you're sat at the desk of your very first job. After all, learning new skills isn't just a technical undertaking, it's an emotional one, too.



## Community

Community rules at Spiced – after all, there's more to life than studying! For those in Berlin, we hold regular get-togethers with pizza and drinks in our beautiful campus so you can share ideas, grab a coffee, and generally unwind among fellow hungry minds.

We pride ourselves on our international culture and provide a supportive environment to both students and staff. If you need help with your code or a chat, we try to make sure there's always someone on hand for a quick Zoom, or a sit down.

Oh, and Friday drinks can be the stuff of *legend*.



# Our Campus

Welcome to Kreuzberg. Home to SO36 punks, döners and the loveable rogues of Spiced-World. Just at our doorstep you'll find a world of cuisine, upscale cocktail joints, downtrodden kneipes, and cafes ranging from artisanal to hole-in-the-wall.

We love hosting tech events and bringing our ever-growing network to campus and online for workshops and talks. Even after you've graduated, there's an open invite to our events - once a Spicedling, always a Spicedling.





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# Thank you

For more information, please get in touch  
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