

SPICED

Program Curriculum

Advanced Web Development

2024 Spiced Program Curriculum Advanced 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

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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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Detailed Curriculum

- Before the course
- On-Site Course



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Life at Spiced



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Advanced skills, advanced opportunities.

Step into the forefront of modern web development and transform your career.

Master the language that scales with TypeScript, and get to the heart of consistent and efficient software development with Docker. Go deep into cutting edge tools such as NextJS, and learn to build robust authentication systems with Auth.

Our AI flavoured course will teach you to unlock the potential of AI-driven solutions with LangChain, integrating advanced language models into your applications.

This goes beyond your traditional web development course. You'll refine your problem-solving, critical thinking, and communication skills.

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





My time at SPICED was both challenging and rewarding. The bootcamp covered a wide range of topics, from front-end to back-end development, and I appreciated the hands-on projects that allowed me to apply what I had learned.

Serge Ten

Web Development Graduate



SPICED's tech stack offered the opportunity to learn the latest tools and frameworks. My time here was challenging, exhilarating, and sometimes made me question my sanity. I loved it!

Roberta Grasso

Web Development Graduate



The length and structure of the program appealed to me most. It was challenging but also motivating at the same time. I enjoyed it every step of the way!

Idil Inshakov

Web Development Graduate



What You'll Learn

(12 Weeks)

Phase 1

Start with a comprehensive recap of TypeScript and Next.js fundamentals, ensuring all participants have a solid foundation. Engage in industry standard coding challenges designed to reinforce these concepts and prepare you for more advanced topics in the course.

Important Topics

- TypeScript Fundamentals
- Next.js Fundamentals
- Industry Standard Coding Challenges



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Phase 2

Advance a basic application with complex features and advanced tooling. You will learn about advanced TypeScript and SQL, CI / CD, advanced testing concepts, Docker, Github Actions, modern web APIs and real time functionality using websockets.

Important Topics

- Advanced TypeScript
- SQL and Databases
- Continuous Integration/Deployment Strategies
- Advanced Testing
- Docker
- Modern Web APIs



Phase 3

Time to build some cutting edge apps using (open source) large language models. We will dive into prompt chains, agents, adding memory and retrieval augmented generation to handle large text files.






Important Topics

- Large Language Models (LLMs)
- WebSockets and Server-Sent Events
- RegExp
- Swagger/OpenAPI

Phase 4

Time to use all the advanced concepts to build a final project of your choice completely on your own or in a group with your peers.

Important Topics






-  Project Planning and Proposal
-  Applying Advanced Concepts
-  Collaborative Development and Version Control
-  Advanced Debugging and Optimization
-  Final Presentation and Deployment

The curricula presented here are intended as a guide to the course content. We expressly reserve the right to make adjustments to the content and structure for didactic and organisational reasons, and to adapt the course to reflect the state of the art and current labour market requirements, without affecting the character of the course and the overall quality of the content.

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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 lecture followed by supervised project work
-  **12:00 pm** Lunch
-  **1:30 pm** Afternoon lecture 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.)

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



Where practical meets personal

Our Career Services

Through our Learning Management System (LMS), you'll receive career tips and support from the preparation of application documents to job search strategy and personal branding - all from a single source!

Our expert Career Coaches help you excel at real-world interviews, and build your communication skills, critical thinking, teamwork and empathy. 🤝

- Job interview workshops
- Strategies for changing jobs and career paths
- Salary negotiations
- Career Cupid: networking event with companies,
- Alumni "Ask me anything" sessions
- Recruiter "Ask me anything" sessions
- Expert panels and Q&A
- Career roadmap for international students



Phase 1

Identifying your skills



Phase 2

Understanding the Job Market



Phase 3

Tips for starting your new job



Phase 4

Networking

Career Opportunities

Frontend Developer

Backend Developer

Fullstack Developer

Web Designer

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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
info@spiced-academy.com

