



# Code Academy Berlin

## Full-Stack & AI Web Development

Maßnahmenummer 955/453/2023

5 months | full-time onsite | 840UE

### About Us

Code Academy Berlin has been founded with the vision of creating a **unique, local and familiar learning environment** for talents from all over the world. We strongly believe that **starting a new career** is more than just acquiring knowledge, but about the **experience along the way**. Our syllabuses in Data Science and Web Development are designed to give you the opportunity to **follow your own ideas, take ownership in your personal projects** and reach your individual milestones.

### Why choose Code Academy Berlin

- **On campus** full time training with close-knit **community**
- **Small groups** of maximum 10 students per mentor
- Daily live classes and easy access to **individual mentor support**
- One week of **career coaching** included in the course

### About the Course

The Full-Stack & AI Web Development program aims to give all the training necessary to find a position as junior web developer right at the end of the course.

It is suitable for complete beginners to experienced developers and is composed of 3 progressions from 3 to 5 months.

Front-End Development 3 months				Full-Stack Development 4 months	AI & Full-Stack Development 5 months
Week 1 - 2	Week 3 - 6	Week 7 - 11	Week 12	Week 13 - 16	Week 17 - 21
Module 1 HTML CSS	Module 2 Javascript	Module 3 React.js TypeScript	Career Services: CV review, Berlin tech insights	Module 4 Full-Stack (MERN)	Module 5 Collaborative project AI retrieval augmented generation Next.js

### What you will Need

- basic level of **English**
- working **laptop** (can be lent one at no extra fee)
- full **dedication** and **motivation**
- **availability** to work **full-time** 5 days per week

### Nice to Have

- an **academic degree** increases your chances on the job market considerably
- **German** as a foreign **language**



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## Modules detail

UE

Days

### HTML/CSS/JavaScript

- Firsr website using HTML and CSS. Developer tools Git and GitHub
- Basic programming in JavaScript: Types, Loops, Conditions...
- Website with logic implemented in JavaScript and styled with Bootstrap

40	5
40	5
80	10

### React framework

- Web single page application (SPA) using javascript Framework React.
- Implement user management and chat features using the Back-End service Firebase and TypeScript to improve code quality

40	5
40	5
80	10

### Full-Stack with MERN

- Build a community application using the MERN stack:
- Front-End using React
- Back-End using Node.js Express
- Database using Mongo DB

200	25
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### AI Tutored Project

- Application using the most advanced framework Next.js
- Collaborative project with AI features (Retrieval Augmented Generation)
- Interview preparation + Code challenges

120	15
80	10
80	10

### Career Coaching

- CV, LinkedIn, Github, agile SCRUM

40	5
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840 UE

105 Days

