



WBS CODING
SCHOOL

AI Software Development

 100% online

 Full-time

 17 weeks of live lessons

 English or German

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Why choose AI Software Development?

AI doesn't replace developers, it empowers them.

Web development creates the web applications we use every day. Today, this field is evolving rapidly with the integration of Artificial Intelligence. This course combines rock-solid coding foundations with AI skills, preparing you for the modern tech landscape. This program fills the gap for career switchers who need a job-ready foundation. In just 17 weeks, you transition from beginner to a capable Developer ready to join an agile team.

The complete package

Frontend & Backend

You cover the full spectrum of development. Create visual user interfaces (Frontend) and the powerful logic behind the scenes (Backend).

AI integration

Go beyond traditional coding. Learn to integrate Large Language Models (LLMs) and build "Agentic AI" that can reason and act within your applications.

Current tech stack

Focus on the industry-standard technologies that hiring managers actually look for: JavaScript, React, TypeScript, and Node.js, working with Claude and Claude Code from day one.

That's why you belong here!

Personal guidance and interactive learning formats

Our teaching approach combines personalized support with dynamic **live group sessions**. An instructor is available every day to assist you, and live lessons keep you actively engaged.

Regular one-on-one meetings give you the opportunity to clarify individual questions directly with your instructors and receive tailored guidance. Additionally, **live workshops** ensure you deepen your understanding and stay connected to the course content.



What can I **expect** in the course?

In our course, you will learn the tools and techniques that professionals use every day: from frontend development with React and TypeScript to building robust backends with Node.js and integrating modern AI models and autonomous agents, with Claude and Claude Code as part of your toolkit throughout.

Whether you are a complete beginner or already have some experience, we provide both a broad foundation and deep technical expertise. You'll graduate fully prepared to launch your career as a Developer in the tech industry.

What sets this course apart?

Full-stack depth and real AI engineering in one curriculum, daily contact with instructors who know your name, and a Claude seat included from day one. You learn the way professional teams work: hands-on, collaborative, and building alongside AI.



Our students especially benefit from:

- **Many hands-on projects:** A focus on practical projects rather than just theoretical knowledge.
- **External certification:** PCEP Python Entry-Level Programmer – relevant to the industry.
- **Focus on teamwork:** Learning in groups to simulate real-world work environments.



How do I learn in the course?

Project-based learning is at the core of what we do. You'll tackle real-world challenges and solve problems just like in a real company. This includes:

- **Group work** to strengthen teamwork skills
- **Regular lessons** and **1:1 support** for individual guidance
- **Quizzes and presentations** to reinforce what's been learned
- Varied tasks to help you build an **impressive portfolio**.



09:00 - 09:20	Stand up
09:20 - 10:00	Prep reading / articles
10:00 - 12:00	Lecture or code along
12:00 - 13:00	Lunch
13:00 - 15:00	Coding exercises
15:00 - 16:00	Coding exercises solutions
16:00 - 17:30	Project work

Learning methodology

Our goal is to prepare you for your entry into the tech industry with a modern learning approach. That's why we combine **hands-on learning with dedicated personal support**.



You can look forward to instructor-guided exercises, modern learning resources, and our **AI assistant NOVA**, who's available to support you 24/7. Then, we'll use our time together with instructors for what matters most: putting your skills into practice.



Instead of long lectures, you'll join **short, interactive live sessions** where you can get your questions answered and collaborate on projects in a team setting. Our instructors act as personal mentors, offering you tailored feedback and guidance. This dynamic approach ensures you'll be well-prepared for the many challenges of the job market.



Guided practice: Every topic pairs your instructor's live session with hands-on, instructor-guided exercises and regular check-ins, so you apply what you learn straight away.

Learning and collaboration: our digital tools

Learning Management System (LMS)



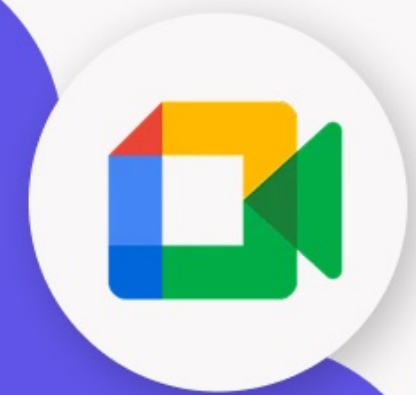
Our intuitive LMS is your go-to platform for all learning materials, assignments, and projects. It keeps you on track and makes managing your studies a breeze. Whether you're working independently or collaborating with your team, our LMS supports your every step.

Slack – your team messenger



Slack is where all the magic happens! It's our central tool for communication and collaboration. Connect with your instructors, ask questions, and get the support you need. Plus, Slack lets you network with fellow participants, share ideas, and work together on exciting projects.

Google Meet – for your video calls



Google Meet is our go-to tool for virtual meetings and video calls. With high-quality video, clear audio, and screen-sharing capabilities, Google Meet makes collaboration easy and keeps you connected with us.

Syllabus

 5 Weeks

The Foundation

Primer & Web Fundamentals

You'll hit the ground running: build your first websites with HTML and CSS and develop a real feel for how the web actually works. Instead of dry theory, you will dive into hands-on tasks, using AI coding assistants like Claude from day one, and if you ever get stuck, our instructors are there for you.

Plus, you'll learn the workflow that awaits you in the professional world. With Git and GitHub, you'll learn how modern developers collaborate, from your first commits to managing branches and merges.

After the basics, it's all about JavaScript for three weeks. You'll discover how the browser works behind the scenes, learn to write clean, modular code, and apply everything directly in your own projects. By the end, you'll have the confidence to build the web applications that underpin LLM integration later in the course.



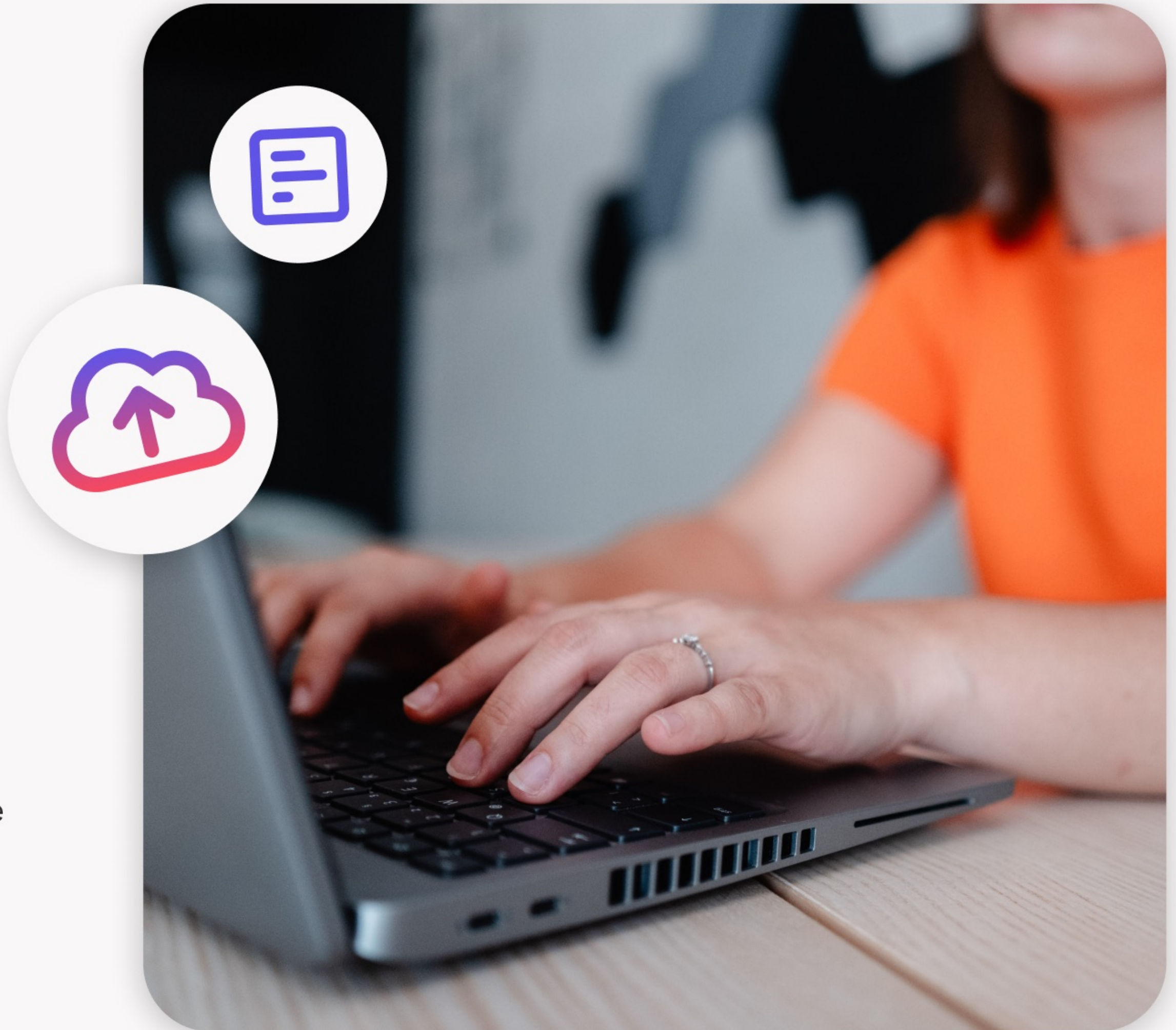
 4 Weeks

Frontend & Robust Coding

React & TypeScript

With the logic of JavaScript down, you'll dive into the world of modern interfaces: for two weeks, it's all about React. You'll learn how to build scalable, component-based applications. From managing complex application states to handling side effects and connecting your interface to real-time data, you will develop interactive user interfaces and take your own web app live.

To ensure your code meets professional industry standards, you'll spend the following two weeks working with TypeScript. You will learn how to enhance JavaScript with a powerful type system to catch errors during development and make your code more robust and maintainable. By combining TypeScript with React, you'll build the type-safe foundation essential for calling LLM APIs and handling structured AI outputs.



 3 Weeks

Backend & Full-Stack Setup

The heart of your application

With the frontend under your belt, you'll spend three weeks looking "under the hood" to build the heart of your application: the backend. Using Node.js and Express, you'll develop powerful server-side applications, while leveraging MongoDB to store data flexibly and securely, all powered by TypeScript, of course.

You will learn how to seamlessly connect your frontend to the server by creating professional endpoints (APIs). Along the way, you'll add essential features like validation and authentication, and lay the groundwork for secure LLM API calls. By the end of this module, you'll command the full interaction between client and server, creating a complete, professional full-stack experience.



 2 Weeks

Artificial Intelligence

Generative AI Integration & Agentic AI

In this phase, you'll take your applications to a whole new level by learning to harness the power of Artificial Intelligence directly. For one week, you'll dive deep into Generative AI Integration. You'll learn how to precisely control Large Language Models (LLMs) from OpenAI, Anthropic (Claude), and Google (Gemini) using prompt engineering and structured output schemas, shipping intelligent features like automated summarization, data extraction, and AI-driven conversational flows. You'll then pivot into workflow automation, wiring your AI features into automated pipelines with tools like n8n.

The following week is all about Agentic AI and developer workflows. You will build agentic AI systems using n8n, the OpenAI SDK and the Model Context Protocol (MCP) that can autonomously perform tasks within your software. At the same time, you'll use AI-assisted coding tools for automated test generation, smart documentation, and efficient code refactoring. This not only massively boosts your productivity but also ensures top-tier code quality.



 3 Weeks

Final Project

Prove your expertise

In the final three weeks, all your newly acquired skills come together. You will join a small agile team to conceive, design, and build a full-stack application from scratch, complete with innovative AI features. This is your opportunity to simulate the real life of a software engineer: you will hold daily stand-ups, conduct code reviews, and manage a product backlog.

This project is far more than just an exercise – it is the ultimate proof of your expertise and serves as the centerpiece of your professional portfolio. Whether you build a productivity tool with an AI co-pilot or a complex dashboard, you will ship a working product that proves to future employers you can solve real-world problems and are ready to contribute to a team from day one.



A portfolio that stands out

By the time you complete your project, you'll have a portfolio-ready piece that not only demonstrates your expertise but also prepares you for job search, and beyond.

Included with your course

Your own **Claude seat,** and the skills to use it

Every student gets a full Claude seat with Claude and Claude Code enabled for the entire 17-week course, plus Anthropic API credits on selected course modules.

Claude supports your thinking, planning, and debugging. Claude Code goes further: an agentic coding tool that works alongside you in the terminal, reading your codebase, writing and testing code, and handling multi-step tasks while you stay in control.

Tools like this are rapidly becoming standard kit in professional teams. By the end of the course, working with them won't be something you've tried, it will be how you work.



How **AI** fits into your course



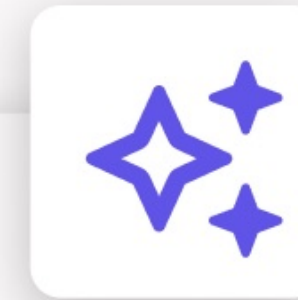
☑ **Claude**



☑ **Claude Code**

Your AI tools

You get a Claude Team seat for the entire 17-week course. This gives you access to Claude at claude.ai for research, thinking through problems, and planning your work, plus Claude Code for coding assistance, debugging, validation, and hands-on development support. These are the tools you'll use every day, from your first line of code to your final project.



☑ **API Access**

Feature enabler

During the AI-focused modules, you'll get access to Anthropic models via an API key. This is what lets you call models and agents directly from your own applications and integrate real AI features into the software you build, not just use AI to help you code, but build AI into what you're coding.

Everything you need is provided so you can focus on learning, not on setting up accounts or managing costs.

Course technologies

Claude Code:

An agentic coding tool that works alongside you in the terminal, reading your codebase, writing and testing code, and handling multi-step development tasks.

OpenAI, Anthropic, Google:

Leading platforms for leveraging state-of-the-art AI models like GPT, Claude, and Gemini.

GitHub Copilot:

AI-assisted coding inside your editor: automated test generation, smart documentation, and safe refactoring.

n8n:

Complex automation workflows and seamless app integrations.

MCP (Model Context Protocol):

The open standard for connecting AI agents to external tools and data, used to build agentic systems that act within your applications.

JavaScript:

The core language for building dynamic and interactive web applications.

React:

The industry-standard library for building dynamic, component-based user interfaces.

TypeScript:

An enhanced version of JavaScript with a type system, improving scalability and maintainability.

Node.js:

A JavaScript runtime used for building scalable, server-side applications.

MongoDB:

A modern NoSQL database designed for flexibility and handling large volumes of data.

RESTful APIs:

The architectural standard for designing secure and efficient communication between clients and servers.

Git/GitHub:

Tools for version control and collaboration, helping you track and manage changes in your code.

HTML/CSS:

The building blocks of web development, used for creating and styling websites.



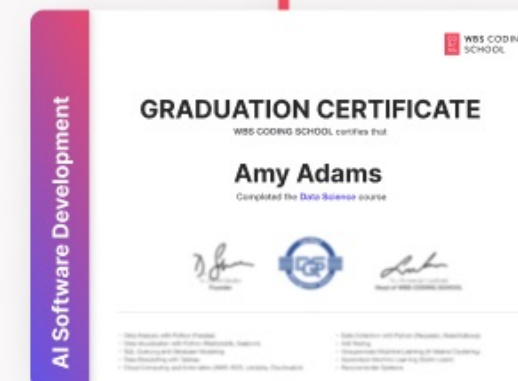
Your graduation is the ticket to the tech world

By the end of our course, you won't just have solid knowledge and hands-on experience, you'll also have an impressive portfolio that showcases your skills. Paired with your graduation certificate, you'll have two powerful assets to grab the attention of hiring managers



PCEP: Certified Entry-Level Python Programmer Certificate

The PCEP certificate officially validates your foundational knowledge of Python programming. It proves that you understand universal programming concepts, Python's syntax and semantics, and can solve practical tasks. This makes it a solid foundation for your future career in the tech industry.



Your WBS CODING SCHOOL certificate

The WBS CODING SCHOOL certificate proves that you've learned through real-world projects and developed valuable skills. It's a strong credential that can open doors to top jobs in the tech industry.



Your standout portfolio

All the projects you work on throughout the course, including your final project, will be part of your personal portfolio. It highlights your abilities, proves you can apply your knowledge in practice, and helps you stand out in the job market – paving the way to your dream career.



Team support: we're here **for you**

At WBS CODING SCHOOL, you're never on your own. Our dedicated team supports you every step of the way.

Admissions team

First, you'll meet our Admissions Team. They'll guide you through the entire application process, answer your questions about course content, financing, and entry options, and help you to achieve your goals.

Community team

The Community Team makes sure you feel part of our vibrant community, even online. With regular events, networking opportunities, and an active Slack community, we encourage interaction and connection – both during the course and beyond.

Operations team

The Operations Team ensures that your course runs smoothly. Whether it's organizational questions, technical challenges, or anything else – our team handles all the details.

Instructors

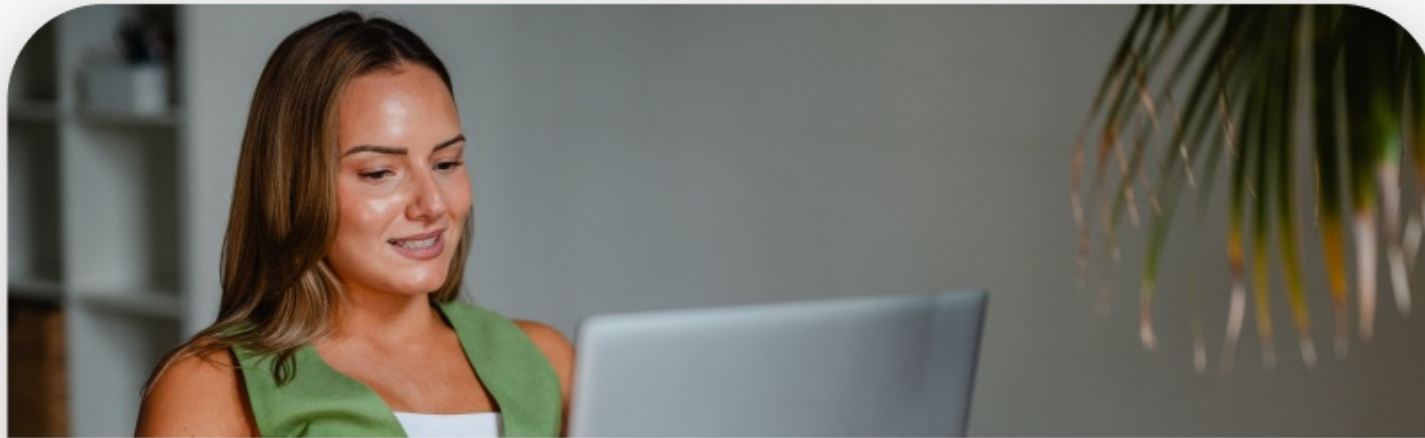
Our instructors are not only experts in their fields but also passionate educators. They'll be there for you throughout the course, helping you unlock your full potential.

Career services

Our Career Services team is here to kickstart your journey into the working world. We'll help you level up your application materials, get you interview-ready, and share valuable tips to ace your job search.

Career support for your **dream job**

We support you on your journey into the tech world: from personalized career advice to exciting events. Your success is our goal – during the course and beyond!



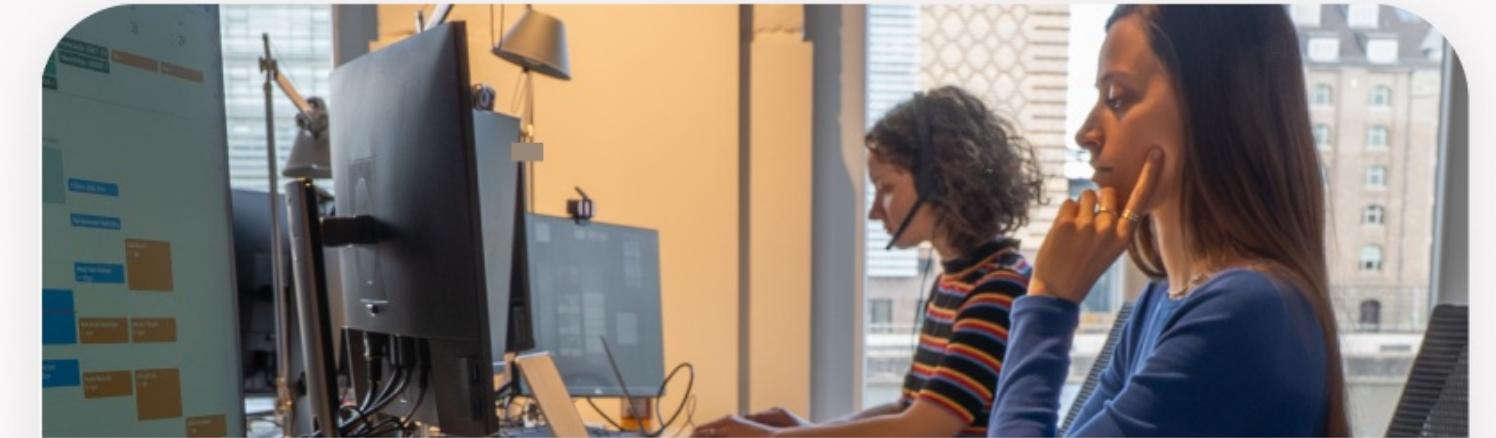
Career service

Our career service helps you present yourself in the best possible way – not only during your studies but also up to 12 months after graduation! From optimizing your resume to targeted interview preparation, we're here to support you.



Events

Use our events to make valuable connections in the industry. For example, at our Alumni Talk, former students share how their careers have progressed after the course – a perfect opportunity to gain insights and learn from real experiences.



Partners

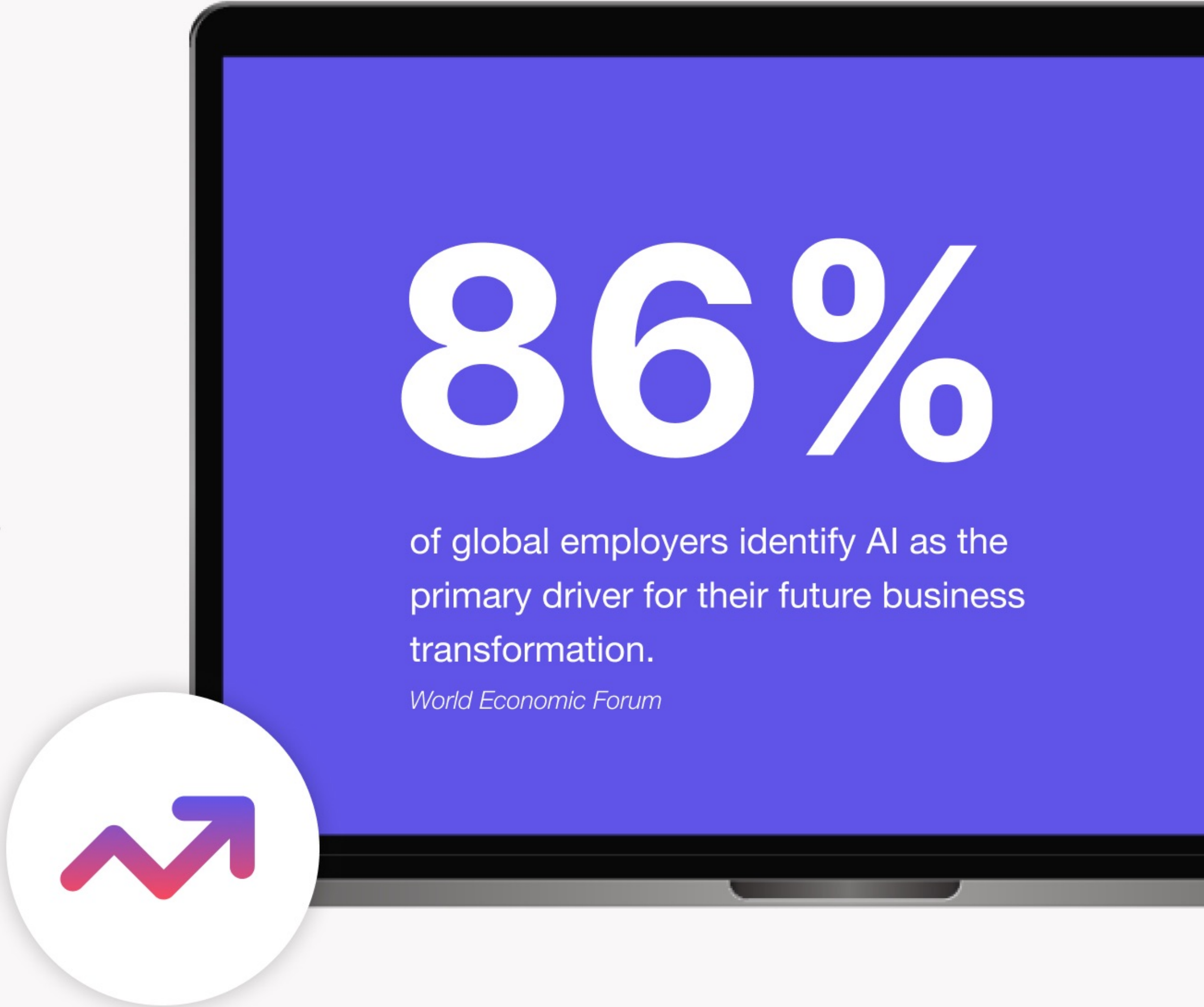
With strong roots in the Berlin tech scene and close ties to companies and industry experts, we offer you a network that makes it easier to enter the job market. Our partners are always on the lookout for talent and exciting projects – and you can benefit from that!

Job market and prospects

The career prospects in AI Software Development are outstanding. In almost every industry, companies have realized: those who don't just use AI, but develop their own intelligent applications and integrate them into existing processes, secure a true competitive advantage. Driven by ongoing digital transformation and the massive trend toward automation, the demand for software developers with AI expertise is skyrocketing.

For you, this means: thanks to modern technologies like Large Language Models and autonomous agents, you are not only securing a highly sought-after job in this dynamic tech sector but also future-proof, versatile career opportunities. According to the current Future of Jobs Report 2025 by the World Economic Forum, AI and Machine Learning Specialists, as well as Software and App Developers, are among the fastest-growing roles worldwide. By 2030, technological advancements in AI are expected to create 11 million new jobs alone, offering you a direct entry point into a major growth market.

Sources:
[The Future of Jobs Report 2025](#) | [World Economic Forum](#)



Potential career paths

Full-Stack Software Developer

 Average salary of €55,700 per year in Germany

What do you do on the job? Develop web applications, optimize backends, write clean, testable, and maintainable code, deploy applications, explore new technologies, integrate them into projects, collaborate with other teams, and ensure quality assurance.

Frontend Engineer

 Average salary of €50,900 per year in Germany

What do you do on the job? Create user interfaces, collaborate with backend developers, write frontend components, test code, optimize applications, keep up with frontend trends, and conduct design and code reviews.

Backend Software Developer (AI-focused)

 Average of €59,500 per year in Germany

What do you do on the job? Build server architectures with Node.js and Express , manage databases with MongoDB , develop RESTful APIs , integrate Large Language Models (LLMs) and AI agents into the backend , write scalable and secure code with TypeScript , collaborate in agile teams , and perform quality assurance through automated testing.

Salary range for Software Developers in Germany

€43,500 - €50,100 gross per year

Entry-Level

€51,000 - €78,000 per year

Mid-Level

€70.000 - €92.900 per year

Senior-Level

Source: Glassdoor, Kununu

WBS CODING SCHOOL

Your entry into the **tech world**

Since 2019, we've been dedicated to transforming ambitious learners into tech industry professionals. Our online courses in AI, Data, UX/UI, and Software Development are designed to meet the fast-paced demands of today's job market. Guided by expert instructors, students learn by doing – building the confidence to tackle the challenges of a dynamic tech industry.

But we're more than just tech training. We're a community built on inclusivity, empowering the innovators of tomorrow through personalized support, hands-on projects, and a focus on skills that make a real impact. Together, we're shaping a tech industry that's diverse, accessible, and ready for the future.

WBS GRUPPE – our strong roots

As part of the renowned WBS GRUPPE, one of Europe's leading providers of professional development, we benefit from over four decades of experience and an extensive network.



WBS CODING SCHOOL in numbers

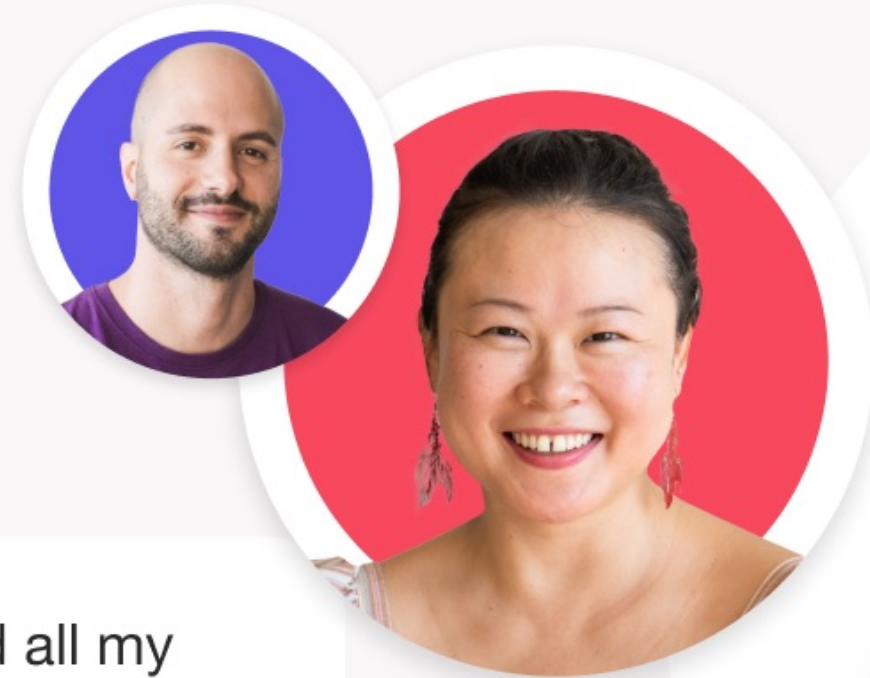
40+ years of experience from the WBS GRUPPE

2019 - founded as part of the WBS GRUPPE

2,000+ graduates

280+ WBS locations

What our alumni say



"I recently completed the full-time bootcamp, and I can honestly say it exceeded all my expectations. The program is fast-paced, intensive, and incredibly rewarding."

★★★★★ **Rajvi Madhani, AI Software Development Graduate**

"I had a wonderful journey in this bootcamp. I really liked my instructors and the WBS staff — they did a great job. What I appreciate the most is the one-year career service support after graduation, which helps us until we find a job."

★★★★★ **Shirin Hajiesmaeili, AI Software Development Graduate**



Course Report
4.8/5 Stars



Switchup
4.9/5 Stars



Google
4.9/5 Stars



Trustpilot
4.8/5 Stars

Where our alumni work:

accenture

aws

BASF

facebook



Lufthansa



Mercedes-Benz

SHARENOW

TESLA



DB

SAP

zalando

Klarna

Meta



Lieferando

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