Tech Educators

NEXT.JS COURSE OVERVIEW

2023

You don't have to be an evil private island super-villain to work in tech.

Tech Educators

We develop different.
Instructor led coding bootcamps for everyone.

Our Mission

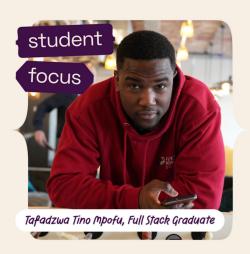## To support the future of tech talent

Our mission at Tech Educators is to cultivate the tech talent of tomorrow by making high-quality, software development education accessible to everyone, at any level or personal circumstance.

Our comprehensive courses, expert instructors, cutting-edge curriculum, and hands-on approach, equip people with the practical skills they need to succeed right away, and the know-how to stay relevant as their career develops. From 'hello world' to world class.

Supporting beginners to experienced practitioners, we're committed to ensuring that no one gets left behind in the rapidly evolving digital landscape. We provide a supportive and inclusive community where everyone can learn, grow, and thrive, as they build a better future.

Learning to code is a journey and through this course outline, we hope to give you an idea of how that journey with Tech Educators would progress. Whether you choose to join us in one of our locations around the country, or prefer an online online approach. Our courses are always instructor led and outcomes focussed.

James Adams, Founder and CEO

student

focus

Tafadzwa Tino Mpofu, Full Stack Graduate

"If you don't go for something. You will never know what you could have achieved. The team at Tech Educators have been so incredibly supportive throughout the course. It's tough, but when it gets tough, you have an entire community around you to support you. That's what the bootcamp is about."

"When I think back now on what I knew before I started, how quickly I learnt, and how fast it went. I didn't realise just how great the experience was, until I reflected on it."

Mastering Next.js

Two Weeks

Next.js represents the future of web application development, with state of the art server side rendering, Next.js represents the future of React implementation. Industry giants including Netflix, TikTok, Twitch, Vodafone, Lego, Vercel, Hyundai (you know we could go on and on and on right?) are all using Next.js. Giving you a step ahead in industry and the ability to demonstrate the capability to learn modern frameworks.

Learning outcomes

- Be able to explain what Next.js is and why it exists.
- Create a new Next.js Application using 'create-next-app'.
- Implement Navigation and routing through both (/pages & /app)
- Deploy 'Page URL' parameters and query strings / searchParams.
- Understanding the URL in Next.js. Not-Found.
- Page meta tags and the HTML document (/pages & /app)
- Implement next generation styling techniques using TailwindCSS or CSS Modules
- Implement modern asset deployment such as Images, Fonts and Scripts
- Seamlessly deploy your Next.js app with Git, Github & Vercel.
- Understand the difference between Static rendering / Incremental rendering, when and how to use them.
- API Routes: add a route, get -- HTTP Verbs, POST a comment, GET comments
- Understand and be able to persist data through clients such as Vercel KV and Redis
- How to handle 'Forms' & 'Validation' within Next.js
- What are mutations: naming things, cache invalidation, and off-by-one errors.
- Understanding streaming & Suspense
- Implementing Middleware and Clerk Auth for comment users
- Protecting the API POST route within Next.js
- Running a Next.js framework project from inception to deployment using the above learning outcomes.

Graduation

At the end of the two weeks you will be presenting everything you have done to this point and graduating from the Tech Educators Full Stack and Next.js program. It's not the end of our journey though, there's so much more in the community to explore.

Hayden Kerr, Next.js Graduate

"Learning a second framework really helped me to firm up my knowledge. Whilst you can tell its built on React, it isn't React, it's different. It's better.

I am working in an incredible startup that are really nurturing me as a junior developer and I am getting to put together my more advance learnings into this new role."

You don't have to be a **young** **smart** **hipster** with the very latest **macbook-pro** to work in tech.

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www.techeducators.co.uk