Pierce Hahn

Front-End Developer

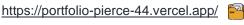📞 07547703617

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https://github.com/Pierce-44 ⬤

https://portfolio-pierce-44.vercel.app/ 🗂️

About Me

I am a passionate front-end developer experienced in JavaScript and TypeScript-based programming with a strong focus towards React/Next.js based projects. My current project is developing an Instagram TypeScript based clone app that utilises Next.js for Static page generation, client-side rendering, dynamic page routes, Jotai for React state management, Firebase for the database/backend features as well as user authentication. Additionally, I have a unique technical background in Mechanical (BSc) and Automotive engineering (MSc). Please take a minute to explore the live app links below to see example of my work. Feel free to explore my GitHub page which has all my project repositories, as well as my personal portfolio website (linked above), have a look around, and feel free to get in touch.

Languages and Tools:

(JavaScript, TypeScript, React, Next.js, TailwindCSS, HTML, CSS, Firebase, Jest, nodejs, Webpack, npm, Github, Portuguese)

Experience

Instagram Clone App (React, Next.js, TypeScript, Jotai, TailwindCSS, Firebase):

Live App Link: https://instagram-clone-mu-two.vercel.app/   ⬤ https://github.com/Pierce-44/instagram-clone

An Instagram clone app that utilises Next.js as a framework, allowing for static HTML to be generated server-side on build time resulting in better performance and SEO. Moreover, it has allowed for dynamic page routing to be used for the profile pages of the users. For this project Jotai was incorporated to manage the React state throughout instead of using React context which can cause issues of extra re-rendering. Firebase was used as the database (NoSQL), to incorporate user authentication, and to utilise Firestore real-time updates. Additionally, the TailwindCSS framework was used to help with CSS management and to reduce the CSS bundle size by removing all unused CSS when building for production. The project has the following feature:

- Create user posts to fill out your profile page. Profile pages are dynamically routed so you can view other users profile pages.
- Like, and comment on other users' posts.
- Follow and unfollow other users to get their latest post updates on your home page.
- Create chats with other users to send and receive live messages.
- Incorporated dark mode through TailwindCSS.

For this project I really wanted to push my understanding of React and Next.js as a framework, as well as incorporate unique features to help improve user experience and interactions. I personally feel that this project highlights in particular improved code writing standards and project management as a whole.

Netflix Clone App (React, Next.js, TypeScript, NextAuth, TailwindCSS, Firebase):

Live App Link: https://netphlix.vercel.app/   ⬤ https://github.com/Pierce-44/netflix-clone

A Netflix Clone app written in Typescript that utilises Next.js as a framework, allowing for static HTML to be generated server-side on build time, resulting in better performance and SEO. This app utilises NextAuth to authorise users server side through getServerSideProps, additionally users can login to the app through their registered Google account. The TMDb api was used to gather movie/series data (most popular, top rated, new series, etc). Users can save selected movies to their "My List" by utilising Firebase (BaaS) as the database. Additionally, the TailwindCSS framework was used to help with CSS management and to reduce the CSS bundle size by removing all unused CSS when building for production.

Personal Portfolio (React, Next.js, TypeScript, TailwindCSS):

Live App Link: https://portfolio-pierce-44.vercel.app/   https://github.com/Pierce-44/portfolio

I developed a personal portfolio website that displays my most accomplished projects. This website was built using Next.js as a framework, allowing for a fully static HTML page to generated server side, this has allowed for extremely fast page load times, a better overall user experience, and better search engine optimization (SEO). I personally feel that the website is very clean looking and has a sharp professional look with clean animations.

Work Experience & Education

Web Development Coding Bootcamp (2021 – 2022):

- Developed dynamic and interactive single page applications utilising React/Next.js with JavaScript/TypeScript.
- React custom Hooks.
- Next.js Static generation, Server-side Rendering, and dynamic page routes.
- React context state management, and Jotai state management.
- NextAuth and Firebase user authentication.
- TailwindCSS framework management.
- Advanced HTML and CSS.
- Test Driven Development.
- Developed fully responsive designs for desktops, laptops, tables, mobile devices, etc.

Researcher University of Southampton (2019 – 2020):

Researching and investigating relevant mechanisms that are being used to mitigate drag, including technological advances in materials, deposition and manufacturing techniques. Super hydrophobic surfaces can be very effective at mitigating drag for underwater and surface vehicles, this research centred around how these super hydrophobic surfaces can be further developed and optimised for improved effectiveness.

Jaguar Land Rover (JLR) (2018 - Jul 2019):

Working within the BIW Advanced Manufacturing and Engineering dimensional management team. This role involved a detailed understanding of how each vehicle is manufactured for Body in White (BIW) as well as the dimensional measurement requirements.

MSc with Distinction in Automotive Engineering - Coventry University (2016 - 2017):

BEng in Mechanical Engineering, 1st Class - Coventry University (2012 - 2016):

Cummins, Placement Student (2014 - 2015):

As part of my undergraduate BEng course, I was given the opportunity to do a placement year. I was able to secure a year's placement with Cummins in the high-horsepower Service Department, where I worked as a Technical Territories Manager placement student.

Personal Interests

I am currently learning Portuguese and I can speak at a higher intermediate level, it is something that I love practicing in my free time and I am working towards becoming fully fluent in the language. Additionally in my free time I enjoy playing chess and learning new openings and techniques. I have a passion for mountain hiking, and when I get the chance, I love to spend time in the Alps hiking during the summer.