Tyrian Parker

Senior Front-End Engineer

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Profile

Senior Front-End Engineer with over seven years of experience in building web applications using a variety of web technologies. Strong background in React.js, Redux, Next.js, Node.js, Python, JavaScript, Typescript, HTML5, CSS3, and modern React UI frameworks, such as Material UI, Ant Design, etc.
Looking for a long-term project and its development team to utilize my skills and knowledge to the best in a remote environment.

Skills

Languages: HTML5, CSS3, JavaScript, TypeScript, Python

Frontend: React, Redux, Redux-thunk, Redux-saga, React Router, Next.js, Formik, Styled Components, D3, Chart.js, Apollo GraphQL, Contentful, Strapi CMS, Ag-grid, SCSS, Emotion, AEM

React UI Frameworks: Material UI, Ant Design, Chakra UI, Theme UI

React Native tools: React Native, Xcode, Expo

CSS Frameworks: Bootstrap, Tailwind CSS

Backend: Node, Express, Nest.js, Django, .NET

Database: MySQL, PostgreSQL, MongoDB, SQLite

Cloud services: AWS (Cognito, Amplify, Lambda, S3, IAM), GCP

DevOps: Jenkins, Docker, Kubernetes

Version control: Git

Repository management: GitHub, Gitlab, Bitbucket

Deployment services: Heroku, Netlify, Firebase

Experience

Senior Front-End Engineer

GetMyBoat, Menlo Park, California, Remote   09/2022 to Present

GetMyBoat is a global boat rental and charter marketplace that connects boat owners and renters worldwide. It provides a unique and user-friendly platform that allows boat owners to list their boats and for users to find and book water experiences quickly and efficiently.

- Designed and implemented a feedback and rating system for users to rate boat owners and boats using React.js, Redux, and Next.js, leading to over high user ratings and improved trust and transparency in the marketplace.
- Designed and implemented a geo-location feature to allow users to search for boats based on their current location, resulting in increase in booking volume, in customer retention rate, and in revenue generated from boat rentals.
- Built a recommendation engine using machine learning algorithms and Python libraries such as Scikit-learn and Pandas.
- Reduced payment processing time by 50% by implementing a new payment gateway based on Stripe API, using React.js, Node.js, and Express.js.
- Developed a real-time chat feature using Apollo GraphQL, Socket.IO, and Firebase, which allowed renters and boat owners to communicate in real-time on the platform.

- Optimized the platform performance and scalability by implementing caching and load-balancing with NGINX, resulting in 40% reduction in response times and the ability to handle 2x more traffic during peak seasons.
- Improved platform security by implementing industry-standard encryption, regular security audits, and monitoring using tools such as AWS MACIE, achieving a 30% reduction in security vulnerabilities and ensuring the safety of users' data.

Main Stack: React, Redux, Next.js, HTML5, Apollo GraphQL, Node.js, Express.js, Typescript, Bootstrap, Storybook, Python, MongoDB, Socket.IO, Firebase, AWS Lambda, Jenkins, Docker, Kubernetes

Senior Front-End Engineer

DIVSYNC, New York, NY   10/2019 to 08/2022

DIVSYNC is a technology consulting firm that offers a range of services, including custom software development, web development, mobile application development, cloud services, and digital marketing. Joined and led the mobile engineering team consisting of 4 of us.

- Led a team of 4 developers in the development of cross-platform mobile applications using React Native.
- Converted a website into a React Native mobile app for iOS and Android for a well-funded startup using their existing Node.js and MongoDB, as well as third-party libraries, to create a better experience on mobile platform.
- Conducted code reviews and acted as a mentor and coach to team members, providing guidance on technical issues and best practices for React Native development.
- Integrated real-time order tracking and estimated delivery times using React Native's geolocation capabilities for the food delivery mobile application.
- Provided 24/7 customer service support in more than 40 languages through in-app chat, email, and phone channels using React Native Gifted Chat library and Twilio for the mobile booking application.
- Utilized Firebase Cloud Messaging (FCM) to implement push notifications in the Booking.com mobile app, enabling personalized and timely updates for users based on their booking information, preferences, and location.
- Fixed memory leaks and performance issues found in various parts of the app, most notably displaying large portions of data retrieved vis GraphQL.
- Managed project risks by implementing contingency plans and ensuring team members had the necessary resources to complete tasks on time and within budget.
- Facilitated daily stand-up meetings and provided regular progress updates to senior management and project stakeholders.

Main Stack: React.js, React Native, Expo CLI, Xcode, Node.js, Nest.js, Typescript, Stripe, Twilio, MongoDB, Bootstrap, Jest, Enzyme, GraphQL, Socket.IO, Firebase

Front-End Engineer

DIVSYNC, New York, NY   08/2018 to 09/2019

DIVSYNC is a technology consulting firm that offers a range of services, including custom software development, web development, mobile application development, cloud services, and digital marketing. Joined in web development team consisting of 7 of us.

- Developed robust and scalable web applications using React.js, Next.js and integrated with Node.js and Express, ensuring seamless data transfer and efficient backend services.
- Designed and built 2 complex web and mobile applications, including a SaaS platform, e-commerce website, and custom scheduling application, utilizing technologies such as React, Node.js, and MongoDB.
- Proficient in using Tailwind CSS, CSS3, and HTML5 to design visually appealing and user-friendly UI components, enhancing the overall user experience.
- Strong skills in Typescript, ensuring the development of scalable and maintainable codebases, allowing for efficient testing and debugging.
- Implemented responsive web design using Material-UI and Improved SEO and performance with server-side rendering using Next.js and React Router.
- Extensive experience in version control using Git and project management using Jira, ensuring efficient collaboration and teamwork across the development cycle.

- Knowledge in designing and prototyping UI/UX designs using Figma, ensuring designs meet client expectations and are visually appealing and easy to use.
- Deployed web applications on Vercel and managed build systems using Maven, ensuring efficient deployment and optimal performance.
- Implemented monitoring and debugging tools such as Prometheus, ensuring optimal application performance and providing quick insights into any issues that arise.

Main Stack: React.js, Redux, Next.js, Node.js, Express, Typescript, Python, Django, Tailwind CSS, Material UI, D3.js, Chart.js, HTML5, CSS3, MongoDB, REST APIs, Git, Jira, Figma, Vercel, GCP, ESLint

Front-End Engineer

Monospace, Taichung, Taiwan   04/2016 to 05/2018

Monospace is a co-working space provider that offers 24-hour access to freelancers, entrepreneurs, and remote workers within a commercial building. The company aims to create a flexible, comfortable and affordable workspace that fosters creativity, collaboration, and productivity.

- Built and maintained several responsive, user-friendly React applications with Redux for state management.
- Developed reusable React components and implemented them across multiple projects, resulting in a significant reduction in development time and effort.
- Collaborated with designers and product managers to transform wireframes and mockups into functional, high-performance web applications using HTML, CSS, and JavaScript.
- Utilized Ember.js and jQuery to enhance user interactions and improve the overall user experience of web applications.
- Implemented REST APIs to communicate with back-end services, enabling real-time data updates and improved application functionality.
- Utilized Figma to collaborate with designers and stakeholders, enabling a streamlined design and development process.
- Optimized the performance of the platform using techniques such as lazy loading, image compression, caching strategies, leading to reduce the page load time as less than 2 seconds and server response time as less than 1 second.

Main Stack: React, Redux, Bootstrap, HTML, CSS, JavaScript, Webpack, Ember.js, jQuery, Chart.js, REST APIs, Git, Jira, Figma, Firebase

Education

Master of Science, Computer Science
National Taichung University of Science and Technology (09/2014 – 03/2016)
Bachelor of Science, Computer Science
Chaoyang University of Technology (09/2011 – 03/2014)

Portfolios

React / Next.js Projects
https://getmyboat.com/
https://30mins.com/
https://resumedone.co
https://www.hubble.net/

React Native Projects
https://play.google.com/store/apps/details?id=com.collectiveweather.perfectforecast&hl=en&gl=US
https://play.google.com/store/apps/details?id=com.chowdeck.com
https://play.google.com/store/apps/details?id=com.booking&hl=en&gl=US