Jordan M. Walsh

React Developer & Full Stack Software Engineer

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Frontend Developer and Full-Stack Engineer with a strong preference for React with Typescript. My default approach to interfacing with problems is holistic, analytical, and knowledgeable of the requirements of each constituent element of the application and user experience–I enjoy contributing to and maintaining well-documented and legible codebases. I ground collaboration on thoughtful and direct communication, shared standards and values, and an obvious love for the craft.

Skills & Competencies

- **Programming Languages:** JavaScript, Typescript, HTML, CSS, Python
- **Frameworks:** React.js, Remix, Node.JS, Express
- **Database and Query Languages:** MongoDB, NoSQL, SQL, Postgres, Sqlite, Cassandra + CQL, Redis, GraphQL
- **Other skills and tools:** Apollo, Azure, Material UI / MUI, Tailwind, Emotion, Styled Components, WebPack, Vite

Professional Experience.

API and database for an accountant working for a leading company in the NFT gaming industry:
- Utilized Node, Typescript, Prisma, Postgres to deliver an extendable, scalable, and type-safe solution to provide users an interface for querying and tabulating values while executing a multi-year audit–removing the necessity of maintaining 56gb of CSV files.
- Provided robust documentation with TSDoc syntax to provide in-IDE resources for future developers, and TypeDoc to provide top-notch external documentation regarding data shape and mutations for CPAs as well as engineers.

Multiple migrations, performance audits, and optimizations of different React applications for a custom application development company.
- Leveraged my understanding of various historical React patterns and the value judgements undergirding application structure and logic to quickly decipher design decisions and optimize performance.
- Audited handling of application state and data-fetching mechanisms to reduce excessive rerenders and synchronize component updates.
- Reduced code duplication and improved readability and performance by refactoring codebases into well-documented and reusable components and functions.

Projects.

crypTones: *Innovative application that translates cryptocurrency price data into frequency values, filters values that do not correspond to notes in user-provided scales, and renders audio in-browser with ToneJS & the Web Audio API.*
- Developed frontend with React 18, SWR, + Vite to achieve TTI/FCP of less than one second.
- Built Node.JS REST API with Typescript + Express– utilized Docker to build and push container images to Azure Container Registry and Azure Web Services to meet client data requirements during development with a scalable production deployment. Migrated application from Azure to Railway, reducing hosting costs by over 66%.
- Designed and implemented procedures for iterating through the software development lifecycle and utilized GitHub Actions to ensure that all checks (ESLint, Prettier, Typescript, Jest) were successful before staged PR could be merged, and ran Lighthouse tests and accessibility audits on Vercel preview deployments to determine compliance with WCAG 2.1 standards and best practices.
- Leveraged Typescript alongside JSdoc to provide accurate documentation and enforce type consistency and code legibility.
- Utilized Asana and Figma to implement an iterative design process throughout the software development lifecycle and used Storybook, MUI, and Emotion to translate over 20 Figma designs into stable deployments consistent with the design vision.

Muse: *Social web app that matches users based on music preferences, developed with the MERN stack. Framer Motion for animation and "swipe" gesture, Socket.IO for real time messaging, Material UI.*
- Collaborated with a team and utilized the product management application Jira for ticket assignment
- Designed and developed integral functionality: developing the animations and component design, and implemented a User Queue that utilized pagination and component state to ensure that nested UI requirements were fulfilled and stale data was not presented to the user.
- Assisted with integrating authentication and socket streaming functionality into the team's design framework with user experience as the main consideration.
- Utilized Figma to document and plan component hierarchy, composition, and lifecycle to effectively ground collaboration and communication in solutions centered on performant and reusable patterns.

Previous Experience.

Commercial Cable Technician | Tak Communications | La Crosse, WI | 04/19 – 03/20
- Coordinated installs for commercial clients of Spectrum, designing the interior cable infrastructure and managing DNS and VOIP configuration for businesses of up to 200 on-site employees.
- Analyzed and recorded metrics on data performance, RF interference, cable faults, and ensured prompt resolution
- Trained 10+ Cable Installers on Commercial Installation protocol and design techniques.

Education.

Software Engineering Immersive | General Assembly | Remote | 09/21 – 04/22
Philosophy & Critical Theory | Shimer College | Chicago, IL | 08/09 – 11/11

2022-08-09

Dear hiring manager,

It is with great pleasure that I write this letter of recommendation for Jordan Walsh. Jordan has assisted ByteLaunch with a variety of services on an as-needed basis, and his skills and expertise have been invaluable to us.

Jordan's deep understanding of React was especially helpful in migrating legacy codebases to React 18 and React Router v6. He was also able to audit our data-fetching mechanisms and leveraged the Context API to reduce excessive re-renders, redundant queries, and overfetching. In addition, Jordan's ability to translate redundant functionality into reusable and flexible functions improved the legibility of our code and the overall performance of our applications.

Beyond his technical skills, Jordan is also a great communicator and collaborator. His friendly nature and willingness to share his knowledge improved the developer experience for everyone on our team.

Jordan is a top-notch developer and excels at this. I highly recommend him for any opportunity that comes his way.

Sincerely,

Michael Craig

Michael Craig, President

To whom it may concern,

I own and operate DeFi Accounting and reached out to Jordan while providing services for an industry leader in the NFT gaming and Web3 spaces. When I came to Jordan, I was being asked to deal with thousands of csv files adding up to about 56gb of data. Due to size and number of rows it was clear excel was not going to do the job, and that the best route forward would be to outsource the development of a custom database solution.

Jordan was both friendly and knowledgeable during the design and consultation process and effectively communicated the various considerations regarding the target shape for our data. Whereas previously I was given CSV's with null values and excess columns, Jordan provided us a functioning PostgreSQL database and API for both maintaining up-to-date records of transactions and working with the data within the database.

In addition to the development of this application, Jordan provided us with excellent documentation and walked us through setting up the application on our local environment. Jordan's care and concern for the health and ease-of-use of the application is immediately apparent, and I feel confident in recommending him to anyone looking to add an engineer to their team or enlist his services.

Sincerely,

Andrew Urquhart

andrew@defiaccounting.biz