

MATTHEW TORU IWANE

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Skills & Certifications

Strong: JavaScript, TypeScript, HTML5, CSS, React, Node.js, Express.js, GraphQL, MongoDB, Mongoose, Jest

Experienced: Next.js, Redux, PostgreSQL, Lua, Git, OAuth, Docker, TailwindCSS, MySQL, Redis

Certifications: Frontend Developer Specialization, Machine Learning Specialization

Experience

Software Engineer, SkillYah – Remote

Aug 2023 – Present

- Implemented RESTful APIs using Express.js, enhancing mobile app communication and functionality.
- Contributed to the development of a real-time chat application using WebSocket.
- Developed comprehensive unit and integration testing for Express.js applications, achieving over 90% code coverage, which reduced bugs in production by 50%
- Migrated codebase from React to Next.js to address our website's performance issues in SEO and user engagement which led to a 30% increase in organic traffic and a 15% improvement in bounce rate
- Developed custom react hooks to abstract complex logic away from components and reduce load times
- Converted codebase to TypeScript to address challenges in managing a large-scale codebase, and for long term maintainability and readability for future developers

Frontend Engineer, Open Source Recruiter – Remote

Mar 2021 – Apr 2023

- Implemented Redux state management to address our challenges of managing complex and interdependent state across our large-scale application
- Integrated advanced loading techniques, including skeleton screens, to improve user navigation experience
- Developed custom Express middleware to optimize CRUD operations, enhancing development workflow efficiency by simplifying the management of user categories and improving the interactivity of the application
- Transitioned 40% of the codebase to TypeScript to ensure scalability and manage increasing complexity. The enhanced clarity streamlined our code review processes and fostered better team collaboration
- Utilized server clusters to develop multiple server buttons that performed 301-redirects to the company board using Scrapy and Google Cloud storage increasing website traffic by 15%
- Integrated extensive testing frameworks using Jest to target our need for high code quality and reliability in a fast-paced development environment, significantly reducing our bug incidence rate
- Revamped a pagination system to cache jobs on the company job board improving rendering times by 25% with a 10% improvement in bounce rate.

Frontend Engineer Intern FORGE Designs Studios – Remote

Jul 2023 – Sep 2023

- Implemented an Auth0 login system to enhance user security and incentivise future two-step authentication
- Transitioned 10% of the codebase to React Native Elements which enhanced user experience by reducing interface render times by 100ms
- Reduced data retrieval operations by developing an algorithm that constructs prototype objects from GraphQL ASTs, enabling the generation of precise cache keys and an enhanced analysis of query structures

Frontend Engineer Intern SkyIT GBCS Group – Remote

May 2023 – Jul 2023

- Revamped website modals to accordion menus using Bootstrap which increased user retention by 150ms
- Created a company careers page using React.js and Typescript which boosted website traffic by 10%
- Hosted and facilitated internal group SCRUM meetings which improved group response rate by 5% and development by 25%.
- Introduced pair programming to the engineering team improving collaboration and development workflow

Projects

Artbook Aggregator - React.js, Typescript, PostgreSQL

Sep 2023 – Dec 2023

- Integrated Jest for it's compatibility with our stack and to conduct extensive test suites ensuring the accuracy of partial queries with high efficiency when generating prototypes from ASTS derived from GraphQL queries
- Integrated SQL with Prisma ORM to overcome the issue of handling our rapidly growing artbook collection

Education

Boston University

Bachelor of Arts - Computer Science, 3x Dean's List

May 2024

Software Engineer, SkillYah – Remote

Jan 2022 – Present

- Led the migration of legacy systems to Express.js-based architecture, reducing server response times by 25% and significantly improving maintainability.
- Implemented RESTful APIs using Express.js, enhancing mobile app communication and functionality.
- Architected custom middleware for our backend to enhance authentication and data validation
- Contributed to the development of a real-time chat application using WebSocket.
- Developed comprehensive unit and integration testing for Express.js applications, achieving over 90% code coverage, which reduced bugs in production by 50%
- Migrated codebase from React to Next.js to address our website's performance issues in SEO and user engagement which led to a 30% increase in organic traffic and a 15% improvement in bounce rate
- Developed custom react hooks to abstract complex logic away from components and reduce load times
- Integrated MongoDB with Mongoose ORM to overcome the challenge of handling our rapidly growing job board
- Converted codebase to TypeScript to address challenges in managing a large-scale codebase, and for long term maintainability and readability for future developers
- Created graphs using Chart.js to visualize and measure user interactions across our website
- Introduced pair programming to the engineering team improving collaboration and development workflow

Software Engineer, SkyIT GBCS Group – Remote

Jan 2021 – Dec 2021

- Developed a React wallet widget with API integration for real-time balance updates, transaction viewing, and payout processing, enhancing user experience and financial management
- Implemented Redux state management to address our challenges of managing complex and interdependent state across our large-scale application
- Integrated advanced loading techniques, including skeleton screens, to improve user navigation experience
- Developed custom Express middleware to optimize CRUD operations, enhancing development workflow efficiency by simplifying the management of user categories and improving the interactivity of the application
- Architected a payment modal feature to enable seamless data deletion and verification, resulting in a 30% reduction in user-reported issues and a notable improvement in data management efficiency
- Transitioned 40% of the codebase to TypeScript to ensure scalability and manage increasing complexity. The enhanced clarity streamlined our code review processes and fostered better team collaboration
- Integrated extensive testing frameworks using Jest to target our need for high code quality and reliability in a fast-paced development environment, significantly reducing our bug incidence rate