JAMES RUTLEDGE

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SUMMARY

Engineer with a keen eye for detail and a commitment to delivering high-quality solutions. Skilled in solving complex visual challenges, optimizing user experiences, and fostering effective communication across teams.

June 2019 – January 2024

WELLTHY

Front End Operations Engineer | New York, NY

- Optimized and maintained frontend build pipelines, improving efficiency and reliability.
- Designed and maintained automated unit, integration, snapshot, and image-regression tests, ensuring high code quality.
- Mentored and guided engineers, providing code reviews, technical direction, and best practices.
- Led and improved development processes, introducing more efficient workflows and cross-team collaboration.
- Advised and collaborated with internal departments to align technical solutions with business goals.

Technical Lead | New York, NY

- Led the development and maintenance of a React-Native mobile app, while actively contributing to the web platform.
- Managed and mentored a remote team of React-Native engineers across multiple time zones, improving team productivity.
- Established a trunk-based development workflow, facilitating a smoother deployment and release process, leading to 50+ successful mobile releases.
- Expanded CI/CD pipelines to include cross-platform integration and end-to-end (E2E) testing, reducing deployment issues.
- Implemented i18n internationalization for React and React-Native apps, supporting Spanish and French Canadian localization.
- Led the international launch of the mobile app, expanding operations to the UK, Ireland, and Canada.
- Proactively resolved security vulnerabilities across multiple dependency graphs, ensuring compliance with security policies.

Senior Front End Engineer | New York, NY

- Upgraded a legacy gulp/webpack hybrid build system to Webpack v5, enhancing performance and maintainability.
- Built the foundation for a new React SPA, integrating it with a Django backend via Relay/GraphQL.
- Redesigned the customer onboarding experience in both the legacy and React apps, optimizing multi-step UX flows.
- Served as an engineering liaison with a remote development team, co-developing a React-Native mobile app before assuming full development and maintenance.
- Led hiring efforts, developing a frontend technical assessment and screening, onboarding, and training new engineers.
- Implemented a role-based authorization system with React Router, improving access control and security.
- Took over maintenance of a legacy KnockoutJS app, extending its lifespan and improving performance.

EDUCATION

UNIVERSITY OF TEXAS

B.A. English, Film Minor | Austin, TX

GENERAL ASSEMBLY

Web Development Immersive | Austin, TX

- 13 week full-time intensive course on full-stack web development.
- Learned programming fundamentals, responsive design, object-oriented programming, product development, agile workflow.
- Elected to lead a pod of 4 in building a Ruby on Rails app, delegated, assigned tasks, resolved conflicts.

SKILLS

Languages: JavaScript (ES6/ES7), BASH, Ruby, Python, SQL, HTML5, CSS3, SASS/LESS, JSON, XML

Frameworks & Libraries: Node.js, React, Redux, D3.js, jQuery, Ruby on Rails, Express, Sinatra, Mocha/Chai

Development Methodologies: Object-Oriented Programming (OOP), Agile Development, Responsive Design, Semantic HTML

Tools & Platforms: Git, GitHub, Bitbucket, Heroku, Firebase, Webpack, Yarn, Homebrew, Amplitude, PostgreSQL, SQLite3, MongoDB, Chrome DevTools, Adobe Creative Suite, Sketch

April 2018 –
February 2019

IMBREX
Senior Software Engineer | New York, NY

- Led the development of a fully decentralized, serverless Mithril app built on the Ethereum blockchain.
- Designed and implemented a spam curation voting system, including a dynamic dashboard with countdown clock panels and 30 unique component views, each with its own behavior.
- Developed an admin application from scratch to provide a consensus layer for custom Solidity smart contracts.
- Spearheaded the development of a new React/Redux app, integrated with a hybrid microservice backend and Docker containers. The platform currently supports 10.5K residential listings.
- Managed a team of four engineers on a six-month project, overseeing meetings, task assignments, and mentoring junior developers.
- Built a reusable library of higher-order components (HOCs) integrated with Semantic UI and Redux Form, used in 33 different forms across the app.
- Developed a dynamic, multi-step form wizard for uploading real estate data, streamlining user interaction.
- Created an API testing tool using pure JavaScript and BASH, with an interactive walkthrough, to facilitate API development and testing.
- Authored spec sheets, roadmaps, and schema designs, contributing to project documentation and clarity.
- Provided weekly progress updates on team deliverables and milestones.

September
2015 – July
2017

ENERGY METRICS
Software Engineer | New York, NY

- Led a two-person client-side development team, overseeing technology selection, architectural discussions, and code reviews.
- Developed three React + Redux single-page applications featuring nested, drag-and-drop asset management for seamless user interaction.
- Designed and implemented a RESTful API and SQL database, optimizing recursive table join queries for hierarchical data structures.
- Built the front-end for an enterprise data center solution, utilizing Douglas Crockford's parasitic combination inheritance pattern for dynamic, object-oriented data management.
- Developed 30+ custom interactive data visualizations from scratch using D3, improving data insights and usability.
- Collaborated with a team of seven .NET developers to integrate front-end architectures with ASP.NET, ensuring seamless functionality.
- Designed, seeded, and optimized SQL databases for improved data performance.
- Integrated and customized 20+ JavaScript & jQuery libraries, enhancing application capabilities.
- Delivered internal presentations on key front-end topics, including Redux, Prototypal Inheritance, CSS Frameworks, and Interpolation, fostering team knowledge sharing.

INTERESTS
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- Film
- Art
- Travel
- Literature
- Writing

FUN FACTS
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- Favorite travel story: I was once hospitalized in northern Thailand after eating the food at a Buddhist monastery. No regrets.
- I have also been a green-cape-wearing mentor with Nodeschool, an international syndicate of engineers providing in-person software workshops.
- I love cinema – everything from cheesy 80's romcoms to obscure & classic foreign films.
- 我会说汉语 y hablo Español