

# 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.

## WELLTHY

- June 2023 – January 2024

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.
- September 2021 – June 2023

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.
- June 2019 – September 2021

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.

## IMBREX

- April 2018 – February 2019

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.

## EDUCATION

### UNIVERSITY OF TEXAS

B.A. English, Film Minor | Austin, TX  
Graduated August 2014

## 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.

Graduated July 2015

## 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

- 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.

## EAST MEET EAST

January 2018 –  
March 2018

Software Engineer | New York, NY

- Contributed 16,481 lines of code within the first 2.5 weeks to the newly launched dating platform, WestEastDating.
- Implemented responsive web design across dozens of pages, improving mobile and desktop user experience.
- Set up Amplitude analytics to track and analyze user behavior, providing valuable insights for product optimization.
- Configured Mocha/Chai and Enzyme for efficient React component testing, ensuring code quality and reliability.

## ENERGY METRICS

September  
2015 – July  
2017

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.

## MIND WINK

October 2010  
– January  
2013

Co-Founder/Web Developer | Austin, TX

- Designed & built Drupal, Wordpress sites with a focus on customization and front-end development practices.

## INTERESTS

- Film
- Art
- Travel
- Literature
- Writing

## FUN FACTS

- 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

- Established cross-promotional campaigns with local businesses.
- Led pitch meetings, developed presentations, established agile project management systems & managed projects.
- Worked closely with small business owners on branding.

## FREELANCE

*January 2008  
– September  
2010*

*Web Developer | Austin, TX*

- Designed and built custom Wordpress websites for local small businesses
- Setup and managed domain name services
- Video, photography and photo/video editing