

# STEFAN POUGATCHEV

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## Summary

Full-stack engineer with 4+ years of experience developing and maintaining user-facing web applications using a micro-frontend architecture in a cross-functional team environment. Proven ability to work with a variety of technologies and frameworks, including React, TypeScript, Redux, Node, Express, and Playwright. Experience with version control systems (Git) and DevOps tools (Jenkins, Docker, and Github Actions). Passionate about building high-quality, user-friendly web applications.

## PROFESSIONAL EXPERIENCE

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### United Health Care

Software Engineer II

Remote

October 2021 - Present

- Collaborating with a cross-functional team of 8 engineers to develop and maintain a high-traffic healthcare client dashboard using React/TypeScript and Java back-end, supporting over 50 million customers worldwide.
- Led the front-end development of a domain unification effort for United Health Care across all lines of business, reducing the number of domains from 6 to 1, simplifying the user experience and streamlining development.
- Led the development of a new enterprise users dashboard page with React, Redux, Styled Components, and Playwright, impacting over 25 million users.
- Led the migration of our styling system to Styled Components, which simplified and streamlined our component design process, creating a more maintainable and scalable codebase.
- Migrated our automated testing framework from WebdriverIO to Playwright, improving our testing speed, efficiency, and reliability.
- Mentoring junior engineers by facilitating weekly pair programming sessions and leading office hours.
- Participating in on-call rotations to deploy, test, and monitor current and future release versions.
- Leading the implementation of module federation using Webpack to share code and runtime across multiple teams in a micro-frontend architecture, enabling faster development and improved maintainability.

### Rally Health

Software Engineer II

Remote

August 2021 - October 2021

- Reduced dashboard load times by 15% by optimizing code and reducing unnecessary network requests.
- Led the rapid conversion of United Health Care's patient dashboard routing logic from Angular to React Router as part of the React migration team.
- Optimized resource loading times by using the fetchpriority API to prioritize loading of critical resources.
- Developed and tested new front-end features using React, Typescript, React Testing Library, and WebDriverIO, ensuring high quality and performance.

### IrisQL

Full Stack Engineer

Remote

August 2020 - July 2021

- Used React Context to create a modular and maintainable front-end, enabling access to global state between deeply nested components.
- Employed effect hooks and RESTful endpoints to send comprehensive and well-formatted object-type data to the API generating algorithm.
- Utilized D3 to render force-directed graphs representing GraphQL schemas, including drag, delete, and update features based on user interaction.
- Maintained local state with React Hooks to dynamically render form inputs and standardize component logic.
- Designed a mock GraphQL server and utilized the built-in GraphQL interface provided with Express to run query searches, write, and test generated schema code with a NoSQL database.
- Used React Router to create a single-page application to increase application load speed and minimize DOM rendering by establishing static routes instead of making server calls to serve the front end.
- Implemented TDD with Jest and Enzyme, utilizing both shallow and mounted tests to effectively unit test decoupled components with controlled inputs, ensuring the reduction of bugs and rapid assessment of errors.
- Dockerized the application to maintain a consistent runtime environment across Linux OS and dependency versions, using the CLI and Docker Build.
- Product developed under tech accelerator OS Labs ([opensource.labs.io](https://opensource.labs.io)).

## EDUCATION

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### New York Institute of Technology

Master's, Electrical Engineering

June 2016 - December 2017

### New York Institute of Technology

Bachelor's, Electrical Engineering

September 2011 - May 2016

## SKILLS

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**Skills:** React.js, AngularJS, HTML/CSS, JavaScript, TypeScript, Webpack, Babel, Jest, Node.js, REST APIs, Git, MySQL, Jenkins, GitHub Actions, DataDog, Splunk