

Ross Patiak

Software Engineer

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CAREER HIGHLIGHTS

- **Leadership:** Oversaw developmental discussions and collaboration across 3 different teams regarding two new major web components, as well as redesigns of several existing web components
- **Code-Efficiency:** Significantly conserved time and developer efforts by simplifying existing application-level state management, which reduced the number of relevant technical debt tickets by 50%
- **Teamwork:** Improved team's sprint burn rate by 200% by devising new ways to manage team's dev work and increase QA efficiency using the current processes and tools that were already in place

PROFESSIONAL EXPERIENCE

Pfizer Inc.

Frontend Software Developer (*Contracted through TCS*)

Remote

May 2021 – Present

- Developed adaptable core Web Components using StencilJS, React, Typescript, GrapesJS, and Storybook, which are currently being used by Pfizer web applications in over 23 global markets
- Retroactively redesigned existing components to align with Pfizer's proprietary Helix Design System
- Orchestrated team-wide effort to increase code coverage of unit and end-to-end tests across all components using Jest and Puppeteer
- Implemented user analytics tracking into existing web components using the Adobe Analytics API
- Assisted in training junior members in growing their expertise across the full stack of our code base
- Regularly performed code and design reviews that guarantee high code quality

Tata Consultancy Services Ltd.

Software Engineer

Edison, NJ

Mar 2021 – Present

- Spearheaded the building process of a PoC application to visualize and manage internal organizational data using D3.js and Python

PROJECTS

KING Clothing (link: ross-patiak.github.io/KingClothing)

Personal Project (*React | Redux | Firebase*)

Nov 2020 – Dec 2020

- Developed a fully-functioning e-commerce web application using React for a seamless frontend experience and Redux for ready-to-scale state management
- Utilized and integrated Firebase and Stripe API to handle user sign-ins, authentication, and process user payments

Line Detector

University Project (*Python*)

Feb 2020 – Apr 2020

- Implemented a modified version of the STDP machine learning algorithm to develop and train a Spiking Neural Network that encodes images as input and detects the lines in the image
- Success rate of the neural network reached as high as 83%

SKILLS

- **Languages:** Typescript, Javascript, HTML, SCSS/SASS, CSS, Python SQL, NoSQL
- **Frameworks/Libraries:** StencilJS, React, Grapes.js, Jest, Puppeteer, Redux, D3.js, Angular, Express.js, NodeJS
- **Tools:** Storybook, Webpack, NPM, MySQL, MongoDB, Firebase
- **Other:** Agile methodologies, SCRUM

EDUCATION

Rutgers University, School of Arts and Sciences

B.A. in Computer Science, Software Engineering Track; Minor in Economics

New Brunswick, NJ

2016 – 2020