

Patrice Reddick

Senior Full Stack Engineer

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10 years of web development, 7+ years in React, 6+ years in TypeScript, 5+ years in Node, 3+ years in Python, 2+ years in Remix

EXPERIENCE

Senior Full Stack Engineer

03/2022 - 05/2024

EvolutionIQ

EvolutionIQ, a leader in the insurance industry, offers an AI-driven claims guidance platform for diverse health insurance carriers; It has announced Series B funding, which brings the investor total to over \$33 million and valuation to over \$200 million.

- Developed the Front End of web app with React, TypeScript and Material UI.
- Built claims table and optimized it's performance through vertical and horizontal virtualization, as well as column filtering, resulting in a 30% improvement in loading speed and user experience.
- Built the claim detail page to include Prediction Visualization and Timeline, Medical Guidance, Claim Assignment, Referral Score, and Transition Referral, and therefore it enhanced user experience on claim analytics.
- Migrated web app built with React.js into the Remix framework afterwards, resulting in high improvement in page loading speed.

Senior Full Stack Engineer

07/2019 - 02/2022

Trading Paints

Trading Paints is a car painting web app for a car racing game called iRacing. Users can paint their cars here, and can use them in the iRacing game!

- As the sole developer reporting directly to the CEO, guided technical solutions for all challenges and features.
- Rebuilt Version 2 of this web app for client-side rendering using React with Redux, Material UI, and Konva.js saving server resources by 50% and archiving a **3x** improvement in product performance.
- Migrated legacy backend to modern infrastructure utilizing Express.js, MySQL, and Socket.io, boosting scalability by 20%.
- Implemented a multi-user/real-time collaboration feature utilizing WebSocket technology, and resulted a high user satisfaction.
- Developed an Admin Portal that manages users, logos, and graphics.
- Introduced CI/CD pipelines using GitHub Actions with AWS Elastic Beanstalk yielding faster deployment cycles, reducing time-to-market, and enhancing product launch efficiency.

Senior Front End Engineer

03/2016 - 06/2019

SURREAL Events

Surreal Events is the next generation of video conferencing web app; The platform is 100% browser-based and pixel-streamed from the Cloud and can scale from 50 to 50,000 participants for real-time, interactive events.

- Initiated as the inaugural Front End Engineer within this nascent startup, and spearheaded the development of a minimal viable product (MVP) from inception to fruition.
- Launched their Landing Website(<https://surrealevents.com>) using Next.js with TypeScript and Material UI resulting customer engagement by 20%.
- Mentored junior developers, defining standards, reducing onboarding time, and fostering a collaborative team environment.
- Reviewed PRs opened by junior developers in the game web app Front End development using React, TypeScript, Storybook, and Material UI.
- Operated a variety of integrations, including WebRTC(UE4 pixel streaming), WebSocket, Agora(Text Messaging), and Twilio(Video Chat).
- Established robust unit and end-to-end testing, achieving 90% code coverage and reduced production bugs.

Full Stack Developer

04/2014 - 02/2016

Restoration Hardware

Restoration Hardware is a prominent American luxury furniture retailer with market cap of \$4.61 Billion; It has it's own e-commerce team.

- Enhanced Cart/Checkout page performance by improving GraphQL queries and field resolvers in Node.js Backend, and decreased 15% in page load time.
- Established POS(Point Of Sale) feature in the Cart/Checkout process increasing 10% in user experience and satisfaction.
- Eliminated unused code in both of Front End(React.js with TypeScript) and Back End(Express.js), reducing codebase complexity and improving code maintainability.

EDUCATION

Bachelor's degree in Computer Science

Colgate University

04/2010 - 03/2014

SKILLS

Languages: JavaScript, TypeScript, ES6, Python

Front End:

React.js, React Native, Next.js, Remix, Material UI, Tailwind CSS, Styled-components, HTML, CSS, jQuery, SCSS, Sass

Back End: Node.js, Express.js, Flask, Django, Ruby on Rails, RESTful API, GraphQL, Microservices

Databases: SQL, MySQL, PostgreSQL, NoSQL, MongoDB, DynamoDB, RDS, Redis, Elasticsearch

Tools / Libraries:

Redux, React Query, Jest, Testing Library, Cypress, Storybook, Apollo, Webpack, WebRTC, WebSocket, Babel, ESLint, Prettier, Git, BitBucket, Jenkins, Circle CI, GitHub Actions, AWS, GCP, Azure, Docker, Lambda, Kubernetes, Firebase, Jira, Figma, Google Analytics, Twilio, Agora, e-commerce