

Ross Patiak

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Software Engineer

Experienced software engineer in building responsive and user-friendly web applications. Adept at leveraging web technologies such as React, Redux, Stencil, and several AWS services, with a strong language proficiency in TypeScript. Committed to innovative problem-solving and driving collaborative teamwork to deliver high-quality solutions that align with business goals. Deep understanding of current web development best practices and emerging technologies.

SKILLS

Programming Languages: Typescript, ES6 JavaScript, Python, Node.js, HTML, SASS, SCSS, CSS, Java

Libraries/Frameworks: React, Stencil, Redux, Next.js, Jest, Puppeteer, React Query, D3.js, Tailwind CSS, Grapes.js, Angular, Express.js, NextAuth, Django, Flask, Adobe Analytics, AEM Franklin

Data/Databases: SQL, PostgreSQL, MySQL, NoSQL, MongoDB, Prisma, Drizzle, GraphQL, Drupal

Cloud Technologies: Amazon Web Services, AWS Lambda, AWS S3, Amazon DynamoDB, Amazon API Gateway

Tools: Git, Github, Storybook, Lighthouse, PageSpeed Insights, Chrome Dev Tools, NPM, Webpack, Figma

Technical Concepts: UI/UX Design, MVC architecture, DOM Manipulation, Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), web accessibility standards (WCAG), content management systems, Agile Development, Agile Software Development, SCRUM, test-driven development, APIs design, design systems, data structures, algorithm design

Professional Skills: Communication, Customer Driven, Attention to Detail, Cross-functional Collaboration, Organized, Troubleshooting, Prioritization, Data Analysis, Analytical, Flexible, Accountability, Reliability, Creativity, Innovation

Leadership Skills: Teamwork, Collaboration Skills, Mentoring, Highly Motivated, Self-driven, Resiliency, Adaptability

PROFESSIONAL EXPERIENCE

AI Consultant (Freelance) | OUTLIER AI Inc. | May 2024 – Present

- Contribute high-quality React, Javascript, HTML, CSS and Typescript code to be used as training data for the GPT LLM, leading to a 10% increase in the accuracy and helpfulness of responses.
- Analyzed and optimized ChatGPT's performance by addressing and correcting suboptimal responses, resulting in a 20% improvement in user satisfaction scores.

Software Engineer | PFIZER Inc. | May 2021 – May 2023

- Launched a medical publications and resources database web application using React, Javascript, HTML, CSS, Typescript, Redux, and SCSS, now serving over 100K healthcare professionals across 35 global markets.
- Developed reusable, framework agnostic UI components using Stencil, HTML, Javascript/Typescript, CSS, and Storybook that became the foundation for 200+ microsites under the PfizerPro umbrella.
- Oversaw the full-stack direction of new and redesigned React components across 4 cross-functional teams, achieving a 20% increase in ticket close-rate for its first PI, and an increase in scope for subsequent PIs.
- Utilized performance optimization techniques such as lazy-loading, memoization, and optimal React Query usage to significantly improve load times by 50% and reduce bounce rates by 30% across several high-traffic pages.
- Reduced technical debt tickets by 50% by simplifying existing application-level state management through Redux, conserving time and effort for developers across teams.
- Implemented AWS Lambda function improvements in querying and mutating data from Amazon DynamoDB using Python and NoSQL, improving high-traffic page load times by 50%.
- Orchestrated team-wide effort to increase code coverage of unit and end-to-end tests across all components using Jest, React Testing Library, and Puppeteer to an average of 96%.
- Regularly performed code and design reviews for junior developers, resulting in a 30% reduction in code review issues and a 25% decrease in post-deployment debugging.

Software Engineer | TATA CONSULTANCY SERVICES Ltd. | Mar 2021 – May 2023

- Spearheaded the frontend development of a PoC aimed at streamlining the web app creation process within Pfizer's PfizerPro platform, improving dev experience and reducing the average development time by 20%.
- Led application development to visualize and manage data using React, D3.js, and Python, boosting data processing efficiency by 60%, providing key stakeholders with actionable insights to drive decision-making.

EDUCATION

Bachelor of Arts in Computer Science, Rutgers University-New Brunswick, 2020