

Ross Patiak

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Software Engineer

Software engineer with 2+ years of experience in building responsive and user-friendly web applications. Adept at leveraging frontend frameworks such as React and Redux, with a strong 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, HTML, SASS, SCSS, CSS3, Java

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

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

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

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

Technical Concepts: UI/UX Design, MVC architecture, DOM Manipulation, Object-Oriented Programming (OOP), Software Development Life Cycle (SDLC), AJAX, JSON, data structures, algorithm design, web accessibility standards (WCAG), responsive web design, agile development methodologies, database management systems, CI/CD, SCRUM, test-driven development, APIs design, distributed systems

PROFESSIONAL EXPERIENCE

AI Consultant (Freelance), Outlier AI, Inc.

May 2024 – Present

- Contribute high-quality React, Javascript, 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.

Front End Software Engineer, Pfizer Inc.

May 2021 – May 2023

- Launched a medical publications and resources database web application using React, Typescript, Redux, and SCSS, now serving over 100K healthcare professionals across 35 global markets.
- Oversaw the full stack development of new and redesigned UI 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 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, conserving time and effort for developers across teams.
- Implemented comprehensive analytics tracking through the Adobe Analytics API, capturing detailed user interactions and click-through rates, leading to a 20% increase in user engagement.
- Orchestrated team-wide effort to increase code coverage of unit and end-to-end tests across all components using Jest and Puppeteer to an average of 96%.
- Designed and implemented AWS Lambda functions in Python to integrate headless CMS data from Drupal into a RESTful API back-end, improving page load times by 50%.
- Regularly performed code reviews and mentored 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