

Mouli Karmakar

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Github

Summary

With almost 2 years of dedicated experience, I specialize in crafting and optimizing high-performance web applications. My technical toolkit includes **JavaScript, React.js, Next.js, Tailwind, and Redux**. I have a demonstrated history of enhancing user experience and application efficiency through substantial improvements in Core Web Vitals. I excel in **cross-functional collaboration, consistently providing scalable and user-centric solutions**.

Skills

- **Languages & Tools ::** HTML, CSS, JavaScript (JS), TypeScript (TS), React.js, Next.js, Redux, SCSS, Tailwind, MUI, Ant Design, Jest, Git, Jenkins, JIRA, Swagger, Postman, Figma.
- **Hard Skills ::** Web Performance Optimization (WPO), Front-End Search Engine Optimization (SEO), DOM Manipulation, Micro front-end architecture.
- **Soft Skills ::** Time Management, Communication, Adaptability, Problem-solving, Teamwork, Creativity, Leadership, Interpersonal skills.

Experience

Software Engineer (Internship), InspironLabs – Bengaluru, KA Jan 2024 – Feb 2024

- Collaborated in cross-functional teams and resolved front-end issues to ensure timely delivery of high-quality scalable applications.

Software Engineer (Internship), InspironLabs – Bengaluru, KA Mar 2024 – Present

- Architected and developed an internal custom component library, tailoring Ant Design components to match specific UI/UX requirements.
- Documented the component library using Storybook and published it to a private npm registry for internal reuse.
- Translated Figma prototypes into pixel-perfect, responsive, and accessible user interfaces.
- Led a team of four developers, providing technical mentorship and facilitating agile ceremonies including daily stand-ups, sprint planning, and retrospectives.
- Implemented performance optimizations and reusable patterns, improving maintainability and scalability of the front-end codebase.
- Conducted code reviews and enforced best practices to ensure code quality and consistency across the team.
- Contributed to CI/CD improvements and issue tracking using tools like GitHub, Jenkins, and JIRA.

Education

Full-Stack Web Development Certification, AlmaBetter Sept 2023 – Aug 2024

- 2160-hour hands-on course mastering JavaScript, React.js, Node.js, MongoDB, Webpack.

Bachelor of Science in Geography (Hons), Sarojini Naidu College for Women, West Bengal June 2019 – Aug 2022

- University: West Bengal State University
- CGPA: 8.33 / 10

Achievements

Early Internship Conversion, InspironLabs Feb 2024

- Secured a full-time offer within just 1.5 months of a 4-month internship due to exceptional performance and rapid impact.

- Recognized for outstanding contributions to front-end development, consistently exceeding expectations in code quality and delivery.

Projects

Intercultural Development Inventory (IDI) – Intercultural Training Platform

- Designed and developed user-friendly interfaces that aligned with client expectations to ensure a seamless experience.
- Implemented role-based access with distinct views and permissions for multiple types of users.
- Maintained Storybook libraries for reusable components and customized Ant design elements (tables, cards, etc.) to ensure consistent and accessible user interface.
- Collaborated with cross-functional teams to deliver quality code efficiently while meeting tight deadlines.

Tools and Technologies: Next.js, TypeScript, Sass, Styled-components, Ant Design

Fair Worx – Application for Black Women

- Worked as a Front-End Developer to implement customized solutions based on healthcare-specific client needs.
- Added functionality to highlight predefined keywords in uploaded PDFs using the React PDF Viewer to improve readability.
- Developed a Proof-of-Concept (POC) that analyzes keywords to calculate and display document risk ratings.
- Collaborated closely with clients in an agile environment, adapting to evolving requirements and unclear specifications.
- Did poc achieve charts according to the client's need with chartJs and echarts.apache

Tools and Technologies: Next.js, TypeScript, Sass, Styled-components, Ant Design