Abhinav Giri

Software Engineer · Front-End Engineer · MERN Stack · Full Stack

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Summary

Software Engineer with 3 years of experience in developing and optimizing scalable, high-performance, and accessible web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js) and modern frontend technologies. Demonstrated expertise in performance optimization, WCAG-compliant accessibility, responsive UI development, and RESTful APIs, with ownership across the software development lifecycle in Agile/Scrum environments. Proven collaborator with cross-functional teams to reduce technical debt, improve Lighthouse scores, enhance user experience and deliver measurable business value in fast-paced, product-driven environments.

Skillset

Languages	JavaScript (ES6+), Typescript, HTML5, CSS3
Front-End:	React.js, Next.js, Redux Toolkit, Tailwind CSS, Responsive Design
Back -End	Node.js, Express.js, REST APIs
Database	MySQL, MongoDB, Mongoose
DevOps	Git, Docker, Vercel
Others	Web Accessibility (WCAG, ARIA), Agile/Scrum, Unit Testing (Jest, React Testing Library)

Work Experience

Digital Avenues　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Kolkata, W.B., India*
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*April 2025 - October 2025*

- Project: AudioEye Accessibility
  - Worked on a client project (AudioEye) collaborating with QA and Product teams to improve web accessibility for assistive technology users within an internal framework built using TypeScript and JavaScript.
  - Implemented accessibility best practices including ARIA roles, keyboard navigation, and screen reader support; optimized accessibility to ensure WCAG standards and achieved Lighthouse Accessibility score upto ~95%.
- Project: InsightPoll Survey
  - Built a survey and polling feature as a part of internal project using MERN stack improving user engagement ~25% through dynamic questions and optimized user flow.

Rhizicube Technologies Private Limited　　　　　　　　　　　　　　　　　　*Ghaziabad, U.P., India*
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　　　　　*Nov. 2022 - April. 2025*

- Project: AMP Email Editor
  - Developed an advanced Email Editor supporting both HTML and AMP templates to improve user experience and engagement reducing email rendering issues upto 40%.
  - Integrated VvvebJs library with ReactJs for client-side app and plugin functionality.
  - Implemented features including SavePage, reusable block components, fullscreen mode, undo-redo, downloads of AMP templates, image URL uploads and server-side rendering with AMP compatibility using NodeJs and ExpressJs.
- Project: Link Nest
  - Developed a Minimum Viable Product (MVP) using ReactJs, NextJs and MongoDB (Mongoose) offering users customizable link-sharing and supporting potential future enhancements for monetization and advanced analytics.
  - Built key features like edit, copy/share link, addition of links with thumbnails and free analytics graphs to track user engagement with responsive and visually appealing UI using Tailwind CSS ensuring scalability and modularity.
- Project: Botpress WhatsApp Chatbot
  - Developed a highly reliable and secure WhatsApp chatbot using the open-source Botpress framework with JavaScript, NodeJs and MongoDB to enhance customer engagement.
  - Built a customised module for seamless integration with the Meta APIs and utilised Botpress visual flow builder to design conversation paths and implemented Human-in-the-Loop (HITL) intervention for complex scenarios.
- Project: Smart Quiz Generator
  - Built a Smart Quiz Generator with Next.js, MongoDB and GenAI APIs to dynamically generate personalized quizzes from user inputs, improving interactivity, engagement, and learning outcomes.
- Project: Resizeable Creatives
  - Built interactive resizable ad creatives with HTML5, CSS3, ReactJs and MySql; developed a dynamic interface retaining context during user interactions, helping increase client ad revenue and improve UX.

Highlights

- Cleared HackerRank's React practice problems – solved 9/10, achieved Rank 1 with 600 points.

Education

IEC College Of Engineering and Technology　　　　　　　　　　　　　　　　*Greater Noida, India*
B.Tech in EC

- Percentage: 70.13 %