HASNAT HAFIZ

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FRONTEND DEVELOPER

Skilled front-end Developer with over 3 years of experience specializing in JavaScript, TypeScript, and React. Proficient in state management using Redux Toolkit, Context API, and real-time data handling with Signal R. Experience in building responsive, high performance web applications, including real-time trading platforms such as the Dhaka Stock Exchange (DSE) FIX-certified Order Management System. Expertise in optimizing front-end performance, handling large datasets, integrating interactive charting libraries (e.g., TradingView, AG Grid), and ensuring cross-browser compatibility. Strong commitment to writing clean, maintainable code and delivering user-centric solutions. Proven ability to collaborate with cross-functional teams in Agile environments to meet project goals and deadlines.

● Component-Based Architecture ● State Management ● Performance Optimization ● User-Centric Design
● Responsive Design and Mobile-First Development ● Problem Solving and Debugging
● Cross-Browser Compatibility ● Real-Time Data Handling ● Code Quality and Maintainability

Languages: JavaScript, TypeScript
Frontend: React, Redux, RTK, Next.js, Material UI, Bootstrap, Tailwind CSS, HTML5, CSS3, JSON, HTTP
Backend: Node.js, Express.js
Databases: MongoDB
Web Services: REST, WebSocket
Testing: Jest, React Testing Library, Cypress
Cloud: AWS EC2, AWS S3, AWS Lambda
DevOps & CI/CD: Docker, Kubernetes, GitHub Actions, Jenkins
SDLC: Agile, SCRUM
Tools: Visual Studio Code, MongoDB Atlas, SignalR, Postman, GitHub, BitBucket, Jira, Slack, ClickUp, Vercel, Netlify, Npm, Yarn, Babel, Webpack
Platforms: Windows

PROFESSIONAL EXPERIENCE

*CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).*

ECOSOFTBD IT LTD., Dhaka, Bangladesh ● 02/2022 – 04/2024
A leading software development company specializing in innovative FinTech solutions, focusing on real-time stock market analysis.

Software Engineer
Frontend development
- Integrated real-time communication using SignalR for various trading features such as order updates, market data, and portfolio information, improving system responsiveness and user experience by 25%.
- Implemented feature-specific Context API for state management, improving performance by reducing unnecessary re-renders, enhancing code maintainability, and enabling more scalable, reusable components.
- Optimized real-time data rendering and updates for large datasets using AG Grid, achieving a 30% improvement in data processing speed, with smooth scrolling, advanced filtering, and sorting.
- Integrated TradingView charting library for real-time trading analysis, boosting user engagement by 20% through interactive charts and advanced technical tools.
- Implemented secure file upload and export operations, ensuring proper access control and enhancing data integrity to protect sensitive information.
- Developed a comprehensive set of keyboard shortcuts for key trading actions, accelerating trading speed and improving user efficiency.
- Optimized rendering performance and reduced memory usage using virtualization, improving the user experience when loading large datasets.

- Developed caching and efficient data fetching using RTK Query, reducing load times by 30% and improving data retrieval speed.

__Technologies Used:__ JavaScript, TypeScript, React, Next.js, AWS Lambda, AWS EC2, Jest, React Testing Library, Cypress, Material UI, Signal R, Redux Toolkit, AG Grid, TradingView, ApexChart, Moment.js, Plotly.js., Docker, Kubernetes, Jenkins

STAFF ASIA, Sylhet, Bangladesh • 11/2020 – 10/2021

A global Business Process Outsourcing firm in Bangladesh, partnering with international brands to drive growth through services like data management, marketing, web development, and business support.

Data Analyst (R&D)

Data Analysis and Design

- Developed interactive dashboards for competitor research and keyword analysis using JavaScript, HTML, and CSS, enabling stakeholders to gain actionable insights into market trends.
- Designed and implemented frontend interfaces for data insights, utilizing HTML, CSS, and JavaScript to visualize website optimization results and customer personas, enhancing decision-making efficiency.
- Built a responsive payroll page using HTML, CSS, and JavaScript, ensuring accurate and easily accessible employee salary details across devices.
- Conducted in-depth analysis of user behavior using Google Analytics, identifying key areas of improvement to enhance user retention across multiple platforms.
- Delivered actionable insights through data-driven analysis, creating detailed reports and visualizations to support strategic decisions and optimize customer acquisition strategies.

__Technologies Used:__ HTML5, CSS3, JavaScript, Jest, Data-Driven Analysis, Google Analytics, Website Optimization Analysis, Customer Persona Analysis

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ACADEMIC PROJECTS

Maharishi International University (2024)
Rent a Home: The web application is designed for listing and booking rental homes, supporting three user roles: Guest, Tenant, and Owner. The platform enables filtering of home listings, viewing detailed property information, booking options for tenants, and property management tools for owners. Authentication and access control were implemented to ensure proper role-based permissions. The front end was developed and integrated with REST APIs, using technologies like JavaScript, React for the UI, and Node.js for the backend. The system ensures smooth functionality across various user roles and offers a seamless experience for booking and property management. Utilized JavaScript, React, Material UI, Node.js, Express.js, MySQL.

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion 12/2026)
Maharishi International University, Fairfield, Iowa

Key Courses: Web Programming, Advanced Software Development, Web Application Architecture, Algorithms

Bachelor of Science in Computer Science and Engineering
International Islamic University Chittagong, Chittagong, Bangladesh (03/2021)