SHUBHANSU SINGH BHADORIA

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WORK EXPERIENCE

Software Developer   Jan 2024 - Present
SRHFT Solutions

- Architected core components of HFT trading platform using React.js, leveraging hooks (useMemo, useCallback) for performance optimization in high-frequency data environments.
- Implemented real-time trade error monitoring system with WebSocket integration in trade,order and order error logs.
- Designed complex order management UI with AG Grid, implementing server-side pagination for 10,000+ order logs.
- Developed the highly functional Admin Panel using React.js, React Hooks, and Redux for state management, utilizing React-Router-Dom for efficient routing throughout the project.
- Built SRHFT Stock Watch with WebSockets for real-time stock monitoring and updates.
- Used Axios interceptors to handle signal aborting and implemented refresh token-based authentication using response interceptors, improving system security and efficiency.
- Implemented async thunk middleware for handling complex asynchronous logic, optimizing API calls and improving app performance.

PROJECTS

CLI Reminder   2025

- Developed a Go-based CLI tool leveraging beeep and when libraries for natural-language time parsing and cross-platform desktop notifications.
- Implemented fuzzy datetime recognition using the when NLP module and scheduled alerts via Go's native time.AfterFunc concurrency model.
- Integrated system-native notifications using beeep without external dependencies for minimal setup.

Chess.com   2024

- Developed a real-time chess platform with user sign-up, match creation, and gameplay using React, Node.js.
- Employed Redis for storing all game moves in a queue to ensure smooth gameplay.
- Implemented a rating system and WebSocket servers for real-time interaction.

News Aggregator   2023

- Built a personalized news aggregation RESTful API using Node.js and Express.js, integrating external news APIs.
- Enhanced security with bcrypt and JWT, and improved performance with caching mechanisms.
- Integrated external news API, utilizing async/await and promises for efficient asynchronous data processing.

SKILLS

Programming Languages: C++, C, Go, JavaScript,TypeScript, SQL, Git

Developer Tools: VS Code, Postman, Thunder Client, GitHub

Technologies: React.js, Redux, Node.js, Express.js, Gin, MongoDB, WebSockets, Axios, Async Thunk

Coursework: Data Structures, Algorithms, Operating Systems, DBMS, OOPS

EDUCATION

Jabalpur Engineering College   Jabalpur, MP, India
Bachelor of Technology, Information Technology; CGPA: 7.6   *2019 - 2023*

Kendriya Vidyalaya   Gwalior, MP, India
Class 12th (PCM); Percentage: 87.66%   *2018*

Kendriya Vidyalaya   Gwalior, MP, India
Class 10th; CGPA: 10   *2016*