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Md Habibullah

Senior Frontend Engineer

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Senior Frontend Engineer with **5+ years** of experience architecting and delivering large-scale React and TypeScript applications. Proven track record of leading frontend initiatives, designing scalable UI architectures, and driving cross-functional collaboration from concept to production. Increasingly focused on AI-powered products, integrating LLM capabilities into user-facing experiences.

Skills

Languages	JavaScript (ES6+), TypeScript, Python, HTML5, CSS3
AI & Developer Tools	OpenAI API, Claude, Codex, Cursor, GenAi, Prompt Engineering, AI-assisted Development
Tools & Cloud Services	Git, AWS (S3, CloudFront), Webpack, Vite, Bitbucket Pipelines, CI/CD, Lighthouse, Postman.
Libraries & Frameworks	React, Redux Toolkit, RTK Query, Next.js, Vue.js, Node.js, Material UI, Tailwind CSS, Nivo, Leaflet, Playwright, React Testing Library, Jest

AI Projects

Open Fern | AI Video Production Studio *Feb 2026 - Present*

- Built AI-powered workflows for prompt refinement, model selection, content generation, and human-in-the-loop review across multiple **LLM** and generative AI providers.
- Integrated leading **GenAI/LLM** platforms including **OpenAI**, **Claude**, **Gemini**, **ElevenLabs**, and **Kling** into a unified, provider-agnostic user experience.
- Developed scalable React interfaces for **AI generation workflows**, enabling real-time job tracking, iterative regeneration, and seamless management of AI-generated assets.

Experience

Senior Frontend Engineer | Data Society Group - Remote *Jul 2023 — Jan 2026*

- Owned the end-to-end frontend architecture for a **community platform** serving **500K+ educators** across the US, partnering with the Lead UI/UX designer, backend engineers, and clients to ship core features from design through production.
- Architected **role-based access control (RBAC)** supporting platform admins, district admins, school admins, and educators implementing permission layers that govern feature access, content visibility, and administrative actions.
- Optimized **Core Web Vitals (LCP, INP, CLS)** through lazy loading, memoization, and code splitting, achieving **30% faster load times** and improving Lighthouse performance scores.
- Drove community engagement by building the core forum experience: a **rich text editor** with code blocks and embedded media, threaded discussions, user groups, and topic categorization, increasing post volume by **15%**.
- Implemented **optimistic UI** for post and comment CRUD using **RTK Query's onQueryStarted** with manual cache patching and rollback handling for **4xx/5xx responses**.
- Implemented **test coverage** for utility functions, custom hooks, and isolated React components using Jest and React Testing Library, enabling safer refactoring and faster feature delivery.

Frontend Engineer | Data Society Group - Remote *Apr 2022 — Jun 2023*

- Built **dynamic data visualization platform** using **Nivo** and **Leaflet**, rendering multiple chart types and geospatial maps based on ML model outputs for data-driven decision making.
- Led migration from traditional REST patterns to **RTK Query**, improving data fetching consistency and reducing boilerplate code across the application.
- Contributed to a **Vue.js-based application**, working on component development, state management, and integrating APIs to support existing product features.

Frontend Developer | AlphaStream - Bangalore *Nov 2021 — Apr 2022*

- Shipped interactive **analytics dashboard** with **Chart.js**, reducing data analysis workflow time by **30%** for business users.
- Built an extensible **data table component** with sorting, filtering, and pagination, adopted across 4 internal projects.

Technical Content Moderator | Quizlet - Remote *Sep 2020 — Oct 2021*

- Led and moderated a team of **35** Expert Contributors, overseeing and ensuring quality for **10,000+** solutions.
- Created **7,000+** high-quality solutions for advanced-level Mathematics, **Data Structures, and Algorithms**, utilizing HTML, CSS, JavaScript, and LaTeX to render complex equations, charts, and diagrams.

Education

Indian Institute of Technology, Kharagpur, May 2015 - Mar 2017 (dropped out)
Bachelor of Technology