Anusua Roy

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Frontend Engineer

Summary

Frontend Engineer with 3+ years of experience in designing and optimizing scalable, high-performance UI architectures. Proficient in ReactJS, TypeScript, Next.js, and Micro-Frontend Architecture, with a strong focus on performance tuning, workflow optimization, and AI-driven UI enhancements. Passionate about building intuitive, data-driven applications and seamless user experiences.

Key Skills

- **Frontend Development:** ReactJS, TypeScript, JavaScript, Next.js, Micro-Frontend Architecture
- **State Management & API Integration:** Redux, Context API, RESTful APIs, GraphQL
- **Performance Optimization:** Lazy Loading, Code Splitting, Webpack, Lighthouse Audits
- **Testing & DevOps:** Jest, React Testing Library, CI/CD
- **Data Visualization & UX:** AG Grid, Apache ECharts, TanStack Table, Material UI, Tailwind CSS
- **Tools & Workflow:** Git, GitHub, Bitbucket, JIRA, Agile, Scrum

Professional Experience

Senior Engineer | Tiger Analytics | Bengaluru, India | December 24 – Present

- **Optimized internal analytics platforms**, increasing dashboard efficiency by **30%** and improving user adoption.
- **Integrated Apache ECharts & TanStack Table**, enabling **100K+ records with 50% faster load times**.
- **Implemented i18n localization**, reducing translation errors by **40%**, enhancing accessibility in **multi-regional markets (US, Japan, etc.).**

Associate (Full Stack Software Engineer) | Cognizant | Bengaluru, India | August 21 – December 24

- **Developed scalable UI architectures** for global banking & insurance platforms, leveraging **Micro-Frontend Architecture**.
- **Standardized reusable UI components** with **AG Grid, DevExpress, Material UI**, cutting frontend dev time by **25%**.
- **Optimized UI performance**, reducing latency by **40%** via React optimizations, lazy loading, and caching.
- **Achieved 80%+ unit test coverage** using Jest & React Testing Library, reducing production bugs.
- **Collaborated with backend teams** to **improve REST API performance**, reducing latency & improving UX.
- **Mentored junior engineers**, improving onboarding efficiency by **30%**.

Education

- **Master of Computer Application (MCA)** | Kalyani Government Engineering College | 2018 – 2021
- **B. Sc. Computer Science (Hons.)** | University of Calcutta | 2015 – 2018

Certifications & Achievements

Cloud & DevOps:

- **Microsoft Certified: Azure Fundamentals (AZ-900)** | Microsoft | *Issued Sep 2021*
- **GitLab CI/CD: Pipelines, CI/CD & DevOps** | Udemy | *Issued May 2023*

Frontend & Architecture:

- **Microfrontends with React: A Complete Developer's Guide** | Udemy | *Issued Jun 2022*
- **The Complete React.js & Redux Course** | Udemy | *Issued May 2023*
- **The Ultimate Redux Course (Redux Toolkit)** | Udemy | *Issued May 2024*

GraphQL & AI:

- **GraphQL by Example** | Udemy | *Issued Nov 2024*
- **Prompt Engineering for Beginners (ChatGPT & AI Prompting)** | Udemy | *Issued Oct 2024*

JavaScript Specialization:

- **JavaScript Practice: Events** | LinkedIn | *Issued Sep 2024*

Awards:

- **Bronze Award – Rewards & Recognition** | Cognizant (*For outstanding contributions to JPMC project*)
- **Always Striving, Never Settling** | Cognizant (*For handling complex global tasks efficiently*)
- **Working as One – Awarded Twice** | Cognizant (*For excellent teamwork and collaboration on high-impact projects*)