Trina Sikdar

trinasikdar2000@gmail.com | Bengaluru, India
linkedin.com/in/trina-sikdar | github.com/itsmetrina | itsmetrina.github.io/Trina-Sikdar

Summary

Frontend Engineer with **4+ years of experience** building and optimizing modern web applications using **React, Angular, TypeScript, and Node.js**. Skilled in implementing **REST APIs**, **Zustand state management** within agile teams. Experienced in clean code principles, performance tuning, and mentoring developers to deliver scalable, maintainable solutions aligned with enterprise goals.

Skills

Frontend: Angular (10+), React.js, Redux, Zustand, TailwindCSS, RxJS, TypeScript, JavaScript (ES6+), HTML5, CSS3
Backend & APIs: Python, Node.js, RESTful APIs, Microservices Architecture (familiar)
Data & Cloud: Azure, PostgreSQL
Testing & Tools: Jest, Postman, Git/GitHub, GitHub Actions (CI/CD)

Work Experience

Frontend Developer | Wipro | Jul 2021 – Present | Bengaluru, IN

- **Led the development of a Smart City IoT web platform** (Angular + REST APIs) serving **5,000+ daily users**, integrating data from thousands of sensors for live monitoring and control.
- **Architected and built modular UI widgets** (Angular Material, ApexCharts, Leaflet.js) including weather dashboards, irrigation schedule management, and device analytics — reducing feature rollout time by **30%**.
- **Enhanced performance** by **25**% through **RxJS optimizations**, API caching, and component lazy loading.
- Designed **multi-step dialog workflows** for flow creation with dynamic data binding and validation.
- **Integrated complex RESTful APIs** ensuring real-time, fault-tolerant communication with IoT microservices.
- Developed **Python-based backend microservices** to handle bulk data processing, JSON parsing, and PostgreSQL updates.
- Collaborated with backend and DB teams to **optimize SQL queries and stored procedures**, improving API response times by 40%.
- Acted as **UI Lead** post-transition period, managing cross-functional coordination between design, QA, and backend teams to deliver high-priority releases.
- Delivered **POCs under tight deadlines**, including a **React** SPA for client demo, which directly contributed to winning a major client engagement.
- Mentored junior developers on best practices and code reviews; recognized with the **Victory League Award (2024)** for exceptional delivery and technical leadership.

Projects

MiniSpotify (React, Tailwind, Zustand, Spotify Web API) | GitHub | Live Demo

- Developed a **Spotify-inspired music dashboard** with secure **OAuth 2.0 + PKCE authentication**, real-time playlist browsing, and playback preview.
- Implemented **Zustand** for lightweight and performant global **state management**.
- Designed responsive UI with **TailwindCSS** and seamless routing with **React Router**.

Weather App (React, OpenWeather API) | GitHub | Live Demo

- Built a **responsive weather dashboard** with real-time forecast and location-based search.
- Integrated OpenWeather API and deployed via **GitHub Pages** for public access.

Education

Swami Vivekananda Institute of Modern Studies — Jun 2018 – July 2021
Bachelor of Computer Applications, 8.87 — Barrackpore, Kolkata, WB

Certifications

- Microsoft Certified: Azure Data Fundamentals (DP-900)
- Oracle Certified: Oracle Cloud Infrastructure 2023 AI Certified Foundations Associate