Kanailal Manna

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Professional Summary

Highly motivated **Full Stack Developer** with 2+ years of hands-on experience in building and optimizing enterprise-grade web applications. Proven expertise in the **JavaScript ecosystem (Next.js, React, Node.js, TypeScript),** coupled with a strong foundation in **Python (FastAPI, Data Analysis)** and **OOP concepts.** Experienced with modern database systems (**MongoDB, PostgreSQL**) and CI/CD pipelines (**GitHub Actions, Docker**). Seeking to leverage skills in a challenging Full Stack role focusing on scalable web application and API development.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS, Java, Bash **Frontend: React, Next.js,** Tailwind CSS, Shadcn UI, Material React Table, Webflow Sync **Backend & Runtime: Node.js, Express.js, FastAPI (Python),** Microservices Concepts, RESTful APIs **Databases: MongoDB, PostgreSQL,** MySQL (Conceptual), SQL/NoSQL Query Building **DevOps & Tools: Docker, GitHub Actions (CI/CD),** Git, **Linux (Shell Scripting)**

Experience

Software Development Engineer I (Promoted from Intern)

Ploutos AI Technologies (Formerly Datachecks) — Remote ¦ Bengaluru   **Apr 2025 – Present**

- **Full Stack Development:** Led frontend development of the data governance platform using **Next.js (TypeScript),** integrating with **FastAPI (Python)** backends.
- **API & Data Handling:** Designed and implemented modular components for complex features like schema comparison and virtual table management, ensuring seamless data integration and performance for large datasets.
- **Deployment & DevOps:** Engineered and enhanced CI/CD pipelines using **GitHub Actions and Docker,** automating release processes and ensuring consistent multi-environment deployments.
- **System Refactoring:** Contributed to major refactors that improved overall frontend performance, code organization, and developer maintainability.

Software Development Engineer Intern

Buzzli — Remote ¦ Delhi   **Mar 2024 – Mar 2025**

- **SaaS Platform Architecture:** Led the architectural development of the core SaaS platform using **Next.js and TypeScript,** focusing on scalable state management and highly reusable UI component libraries.
- **Web Development & Optimization:** Developed responsive layouts and optimized application rendering logic, ensuring a consistent and smooth user experience across devices.
- **Automation:** Authored a **Python Selenium-based web scraper** to automate content ingestion and data validation workflows, significantly reducing manual data entry efforts.
- **Mentorship:** Conducted code reviews and mentored junior developers on modular coding standards and best practices.

Projects (Demonstrating Relevant Stack Experience)

Lynx API ¦ *Next.js (TypeScript), React, Rust*   thelynxapi.vercel.app

- Developed a high-performance API testing platform with a **Next.js + TypeScript** frontend.
- Integrated **React Flow** to visualize graph-based API execution workflows, aiding in backend debugging.

Codebase Tracker (NPM Package) ¦ *Node.js, CLI*   npmjs.com/package/codebase-tracker

- Developed a CLI tool using **Node.js** for static code analysis, generating detailed dependency reports for large JavaScript/Node.js codebases.

Chat-Mine ¦ *Python, Streamlit, Data Analysis*   chat-mine.streamlit.app

- Built a data analytics engine using **Python** to parse and analyze chat logs, generating statistical insights and data visualizations.

Education

B. Tech in Computer Science & Engineering (CGPA: 8.45) Techno International New Town, West Bengal ¦ **2021 – 2025**
Honors & Open Source:

- **Open Source:** Active contributor to **Neutralino.js** (C++/JS framework) fixing build stability issues; 3x Hacktoberfest participant.
- NTSE National Scholarship Recipient, SVMCM Merit Scholarship.
- **Communication:** Fluent in English (as required for the role).