DIPANWITA MANDAL
Software Engineer – Frontend

3.9+ years spearheading rapid-delivery web solutions in high-growth startups | React/Next.js Specialist

Proven track record leading 0→1 projects: Delivered 4 production dashboards in 1.5 weeks, architected real-time emission calculators (70% bug reduction), and engineered reusable systems

Thrives in deadline-driven environments with full ownership mindset – from concept to optimized deployment

EDUCATION

KiiT University   **2017 - 2021**

BTech in Computer Scince and Communication Engineering

CONTACT

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dipanwitamandal.in

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+91 8637232457

WORK EXPERIENCE

Software Engineer – Frontend
Accacia

FEB 2023 - PRESENT
(2 YEARS 4 MONTHS)

- **Delivered 4 production-ready dashboards in 1.5 weeks** (MVP) and **3 operationally run asset emission-tracking systems in 72 hours** by leading end-to-end frontend development, enabling real-time carbon calculations for 3+ asset types.
- **Architected EC BOQ module from 0→1 featuring :**
  - **Dynamic editable tables** with Excel-like functionality.
  - Real-time emission calculators processing BOM uploads.
  - Phase-wise construction asset visualization charts (Delivered full complex module in 2 months).
- **Optimized API management** using **Tanstack Query** with Axios, implementing:
  - Automatic handling of isLoading/isError states and retry logic.
  - Parallel query execution and response normalization.
  - **40%** reduction in API-related code complexity.
- **Engineered dynamic table system** with **Material React Table**:
  - Universal component handling tabs, conditional columns, and row editing.
  - **Real-time data synchronization** with outer components.
  - **60%** faster implementation of complex table requirements.
- **Developed interactive data visualizations** using **ECharts**:
  - Custom event listeners for real-time emission recalculations.
  - **Dynamic chart updates** based on selected data points.
- **Reduced UI bugs by 70%+** through React optimizations and state management enhancements.
- **Created JSON-driven dynamic form engine** generating 100+ field variations, cutting form-build time by **65%.**
- **Mentored junior developers** to produce **5+ reusable React components**, boosting team velocity by **20%**.

Senior Software Development Engineer
KAFQA

Jun 2022 - Dec 2022
(7 MONTHS)

- **Integrated Mixpanel** for user behavior tracking, enabling **data-driven decisions** by capturing **100% of critical click events** across the platform.
- **Built the foundational CRM platform**, developing **15+ reusable components** that reduced future development time by **30%.**
- **Optimized frontend performance**, cutting page load times by **15%** through code refactoring and efficient state management.

Software Development Engineer

Kickdrum

- **Developed a meeting-recording bot frontend** using **React.js**, automating meeting attendance for users and reducing manual participation time by **50%**.
- Built **features in a Chrome extension** that **summarized meeting discussions**, cutting document creation time by **40%** by auto-highlighting key points.
- Designed and tested a **YAML pipeline in Azure** for a **.NET 3** project, achieving **100% pass rate** in SonarQube tests with **0 failed cases** across **50+ test scenarios**.
- **Optimized CI/CD workflows**, ensuring **successful builds** and **85%+ test coverage** in pipeline reports, improving deployment reliability.

SKILLS

Languages   JavaScript   TypeScript

Frontend   React.JS   Next.JS   HTML5   CSS3 / SCSS   Tailwind

Tools & Platforms   GIT   AWS   Azure   REST APIs

Mobile   React Native