Dibyendu Nayak

Full Stack Developer | React.js, Node.js, TypeScript, FastAPI | AI Agents & LLM Integration

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linkedin.com/in/dibyendu-nayak | github.com/MeczBoyOP | Portfolio

Professional Summary

Full Stack Developer with 3+ years of professional experience in full stack development using React.js, Next.js, TypeScript, Node.js, Express.js and Python/FastAPI, including 1.5+ years in a corporate product team. Shipped 5+ scalable web applications end-to-end (RESTful API design, MongoDB/PostgreSQL schemas, JWT authentication, cloud deployment) and 8+ production frontends. Currently building AI-powered features and LLM integrations (OpenAI, Anthropic) that automate business workflows. Strong problem-solving skills; works independently and collaborates with cross-functional teams in Agile/Scrum.

Technical Skills

Languages: JavaScript (ES6+), TypeScript, Python, HTML5, CSS3, SQL
Frontend: React.js, Next.js, React Hooks, React Native (Expo, CLI), Tailwind CSS, Responsive Web Design, Code Splitting, Lazy Loading, Memoization
State Management: Redux, Context API, TanStack Query (React Query)
Backend: Node.js, Express.js, FastAPI, RESTful API Design, JWT Authentication, Role-Based Access Control (RBAC), Web Security Best Practices, Rate Limiting
Databases: MongoDB, Mongoose, PostgreSQL
AI / LLM: OpenAI API, Anthropic Claude API, AI Agents, LLM Integration, Tool Calling, Prompt Engineering, Workflow Automation
DevOps & Cloud: Git, GitHub, CI/CD (GitHub Actions), Docker, AWS, Vercel, Netlify, Render
Testing & Quality: Jest, React Testing Library, Unit Testing, Code Reviews, Postman, Zod, Yup

Professional Experience

React Developer **Feb 2025 – Present**
SB Infowaves, Kolkata, West Bengal

- Delivered 6+ production web applications (HRMS, CMS, lead tracker, cash-flow dashboard, document manager) for multiple clients, owning frontend architecture, RESTful API integration and deployment end-to-end.
- Built a reusable component library of 15+ modular React.js/TypeScript components and participated in code reviews, reducing feature development time by 25% and improving maintainability across projects.
- Integrated 10+ REST APIs using Axios and TanStack Query with centralized error handling and caching, cutting redundant API calls by 18% and improving page load performance.
- Engineered JWT-based authentication with protected routing and RBAC across 5+ application modules, eliminating unauthorized-access incidents and reducing auth-related bug reports by 40%.
- Optimized data-heavy screens with code splitting, lazy loading and memoization, reducing unnecessary re-renders by 60% and improving Time to Interactive by 35%; debugged and resolved production issues to improve reliability.

Freelance Full-Stack Developer **2024 – Jan 2025**
Self-employed, Remote

- Designed and shipped 2 full-stack client products independently (MCloud cloud storage, Galaxy Magmun property CMS) using React.js, Node.js/Express, FastAPI and MongoDB, both live in production.
- Owned the complete delivery cycle for 5+ freelance engagements: requirement gathering, database schema design, RESTful API development, JWT authentication, CI/CD deployment on Render/Vercel and post-launch maintenance.

UI Developer / React Native QA Engineer **2023 – 2024**
[Company Name], Kolkata

- Started in React Native QA (functional and unit testing of cross-platform apps) and progressed within 12 months to building 20+ responsive React Native CLI screens and reusable UI components for 2 production mobile apps.

Projects

HireLogic – AI Job Portal – Full-stack job portal with AI-assisted candidate matching and screening using OpenAI; end-to-end recruiter and candidate workflows. *(React, Tailwind CSS, Node.js, Express, MongoDB, OpenAI API)*

MCloud – Cloud File Management System [Live] – Full-stack cloud storage app with file explorer, secure sharing, trash/restore and admin dashboard. *(React, Tailwind CSS, Node.js, Express, MongoDB)*

Other production work: Galaxy Magmun Property CMS, HRMS Tracker, Cash-Flow Dashboard, Ads Lead Tracker, DocSafe Document Manager, Shresth Studio Photo Platform (React, Tailwind CSS); Afro Asia E-commerce and Bodily Tenant Management mobile apps (React Native CLI).

Education

B.Tech, Mechanical Engineering – Birbhum Institute of Engineering and Technology, WB (CGPA 8.85/10) **2017 – 2021**
Certification: Full Stack Web Development (MERN) – PW Skills