

Rabin Karmakar

Full Stack Developer

✉ rabinkarmakar947@gmail.com

📞 (+91) 8967-873860 / 97494-36840

🌐 rabin-642894219

🔗 rabin97

Professional Summary

Full Stack Developer with 2.5+ years of experience leading agile development teams and delivering enterprise-scale applications. Expertise in **React Js**, **Next Js**, **TypeScript**, **Node js**, **Nest js**, and modern **JavaScript(Es6+)** ecosystems with proven track record of optimizing performance and mentoring development teams. Strong focus on scalable architecture, clean code practices, and continuous delivery.

Professional Experience

Full Stack Developer

Dec 2023 – Present

Explorogent International Services Pvt. Ltd. (Stackkaroo)

- Led 10-person agile development team delivering enterprise applications with 99.9% uptime.
- Implemented CI/CD pipeline reducing deployment time by 40%
- Developed CryoFlow, a Full-Stack Cold/Non-cold chain logistics and pharmaceutical delivery management system using **Backend:** in **Node js (NestJS)**, and **Frontend:** in **React js (Next.js)**, and **PostgreSQL**, implementing complex order processing, temperature monitoring, compliance features.
- Designed scalable architecture with **JWT authentication**, **AWS S3** integration, and real-time tracking, enhancing operational efficiency and regulatory compliance.

MERN Stack Developer

Oct 2022 – Dec 2023

Explorogent International Services Pvt. Ltd. (Stackkaroo)

- Engineered high-performance RESTful APIs with JWT authentication usign **Access Token** and **Refresh Token** to handling substantial monthly traffic
- Enhanced database efficiency by optimizing MongoDB aggregation pipelines, reducing processing time by 28%
- Streamlined application architecture with Redux Toolkit integration improving code maintainability

Backend Developer

April 2022 – Oct 2022

Explorogent International Services Pvt. Ltd. (Stackkaroo)

- Developed high-performance RESTful APIs using Node.js and Express.js
- Architected scalable MongoDB database schemas with strategic indexing for optimized performance

Technical Skills

Languages: JavaScript, **TypeScript**, HTML/CSS
Frameworks: **Next.js**, React Js, **NestJS**, Express, Node.js, Tailwind CSS
Systems: Microservices, REST APIs, WebSockets
Databases: MongoDB, PostgreSQL, Redis, Mongoose, PrismaORM
Tools: Git, Docker, AWS, S3, RDS, CI/CD (GitHub Actions), Postman, ESLint, husky, Prettier
Management: Agile/Scrum, Sprint Planning, Technical Mentoring
Problem Solving: Solved 250+ **DSA** Questions

Key Projects

PayPulse - Enterprise Payroll Management System [GitHub](#)

2025

- Developed comprehensive payroll and employee management software with multi-tenant architecture and **Role Based Access Control**
- Built dynamic salary calculation engine using **MathJS** with complex tax calculations and benefits management
- Implemented responsive UI with **React (Next js)** Radix UI, Tailwind CSS, and interactive analytics dashboards using **Recharts**
- Streamlined HR operations reducing manual payroll processing tasks by 70% across multiple departments

Winky UI - Enterprise-Grade React Component Library [Website](#)

2025

- Designed and developed an enterprise-grade React library with ****10+** production-ready components** using **Next.js 15**, **shadcn/ui**, and **** Framer Motion**** for advanced animations.
- Engineered a custom registry-based CLI using Shadcn CLI for seamless installation, ensuring high performance (**<5kB average bundle size**) and ****WCAG 2.1 AA** accessibility compliance**.

CryoFlow - Cold/Non-Cold Chain Logistics System [Cryoflow](#)

2024–2025

- Developed a full-stack Cold/Non-Col logistics platform for pharmaceutical delivery using **NestJS**, **Next.js 15**, and **PostgreSQL** to ensure end-to-end temperature monitoring and regulatory compliance.
- Architected a scalable backend with **NestJs**, **Prisma ORM**, featuring **JWT authentication**, **Redis** caching, and **AWS S3** for storage, while building the frontend with the **Next.js App Router** and **Redux Toolkit**.
- Engineered core modules for order, inventory, and delivery management, implementing **Role-Based Access Control (7 roles)**, real-time tracking, and automated server side PDF generation by **PDFKit** to enhance operational efficiency.

Bering Time - 3D/AR Ring Configurator [Beringtime](#)

2025

- Developed an interactive 3D/AR ring configurator using **Svelte**, **TypeScript**, and the **webgi WebGL** engine, enabling real-time customization of modular ring components.
- Engineered a dynamic rendering system to manage and assemble 3D assets on-the-fly, utilizing custom **GLSL shaders** for realistic material effects and caching for optimized performance.
- Architected as a **Progressive Web App (PWA)** with features like custom engravings, high-resolution snapshots, and an **Augmented Reality (AR)** "Try-On" mode for an immersive user experience.

Education

M.Tech in Computer Science & Engineering

2024 – 2026

Bankura Unnayani Institute of Engineering

bankura, India

CGPA: 8.09/10 (Pursuing)

B.Tech in Computer Science & Engineering

2020 – 2024

Bankura Unnayani Institute of Engineering

Bankura, India

CGPA: 8.66/10