

Dev Bhattacharya

+91 8810469014 | devbhattacharya42@gmail.com | [LinkedIn](#) | [Visit my Website](#) | [GitHub](#)

EXPERIENCE

Software Development Engineer

Jan 2024 – Jan 2025

Cure Value

New Jersey, U.S.A - Remote

- Engineered highly responsive and user-friendly UIs using Next.js, enhancing user satisfaction and driving a 25% increase in user engagement. Delivered seamless facility comparison tools, interactive mapping features, and localized content for diverse global audiences, improving overall user retention.
- Optimized backend performance with Node.js and MongoDB, introducing real-time filters, cost tracking, and AWS S3 integrations. Automated database enhancements that enriched doctor profiles and treatment data using AI, reducing operational overhead by 20%.
- Boosted organic traffic by over 40% through achieving a perfect Lighthouse SEO score and implementing advanced SEMrush-driven keyword strategies, OpenGraph/JSON-LD tagging, and a comprehensive sitemap of 6000+ URLs to enhance discoverability.
- Implemented content personalization strategies by integrating Contentful and Bludit, driving a 30% increase in user-specific searches and interactions. Migrated React components to Next.js, reducing page load time by 40% and improving scalability, which contributed to higher user retention rates.

PROJECTS

StockVision — AI-Powered Stock Prediction Tool | *ReactJS, Gemini API*

July 2024

- Developed an AI-driven tool for predicting stock trends, integrating financial metrics such as P/E ratio, ROCE, and EPS using Gemini API.
- Engineered a user-centric interface with ReactJS, featuring real-time predictions and intuitive visualizations.
- Optimized the application deployment on Vercel for scalability and minimal latency, supporting multiple users seamlessly.

EcoServe Backend | *Node.js, Express.js, MongoDB, JWT Authentication*

Jun 2024

- Designed and developed a secure backend API for an e-commerce platform, managing user data, categories, and items.
- Implemented robust authentication and authorization using JSON Web Tokens (JWT) to ensure data security.
- Created RESTful API endpoints with clean architecture, streamlining interaction with the frontend.
- Leveraged MongoDB's aggregation pipelines for efficient querying and dynamic data manipulation.
- Integrated middleware for request validation and error handling, improving system reliability and maintainability.

Mr. Chef — Culinary Express App | *Bootstrap, Firebase, Razorpay API*

Aug 2023

- Built a web application enabling users to explore cuisines, place orders, and manage carts efficiently.
- Implemented a mock backend with JSON-Server for prototyping and Firebase for real-time user authentication and data storage.
- Integrated Razorpay API to enable seamless, secure payment processing, enhancing the user experience.
- Designed an adaptive frontend using Bootstrap, ensuring consistent responsiveness across devices.
- Emphasized intuitive navigation and performance optimization, achieving a fast, engaging platform for end users.

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, HTML/CSS

Frameworks: Next.js, Tailwind CSS, Node.js, Express.js

Libraries: React.js, Material-UI, Bootstrap

Database: MongoDB, SQLite

CMS: Contentful(Headless), Bludit

Developer Tools: Git, Firebase, Postman, Hotjar Analytics, AWS S3, Semrush, VS Code

EDUCATION

Academy Of Technology

Kolkata, W.B

Bachelor of Technology in Mechanical Engineering — CGPA: 8.6/10

Aug. 2019 – Aug. 2023

St. Augustine's Day School

Shyamnagar, W.B

ICSE/ISC

Jan. 2003 – May 2019