

PROFESSIONAL SUMMARY

Software Engineer with 1+ years of full-stack experience and a strong Data Structures & Algorithms foundation (700+ problems solved). Adept at building scalable web applications using React.js, Next.js, and Node.js while maintaining strict engineering standards through critical code verification, system thinking, and object-oriented programming.

CORE SKILLS

Programming:	JavaScript, TypeScript, Python
Frontend Dev:	HTML5, CSS3, Tailwind CSS, React.js, Next.js, Redux Toolkit, Framer Motion
Backend & APIs:	Node.js, Express.js, RESTful APIs, Socket.IO, JWT Authentication
Databases:	MongoDB, Mongoose, MySQL
Workflows & Tools:	Git, GitHub, Vercel, Postman
Software Design:	Object-Oriented Programming (OOP), Code Review, Functional Debugging

PROFESSIONAL EXPERIENCE

Junior Software Developer | Quad Theory Ltd (Remote) October 2025 – Present

- Commercial Feature Architecture:** Engineered a scalable order framework for GoTaste UK with checkout page (in-store, pick up, delivery) and automated refunds; cut tickets by 30% and boosted execution speed by 20%.
- Geolocation & Filter Integration:** Integrated Google Maps API and geospatial indexing to implement a nearby restaurant discovery feature, improving search accuracy by 25% and reducing user drop-off.
- Subscription & UI Security:** Architected an RBAC system for multi-tier subscriptions, securing 15+ admin routes and ensuring compliance with plan-specific data visibility requirements.
- Technical Specification & Code Review:** Decomposed ambiguous business requirements into precise technical specifications; optimized team code deliveries for optimal backend performance.

Frontend Developer | ZeroByte (On-site) April 2025 – September 2025

- Responsive UI Development:** Engineered responsive, mobile-first web interfaces using React.js and Tailwind CSS, translating Figma designs into pixel-perfect interactive experiences.
- API & State Integration:** Collaborated with backend teams to integrate RESTful APIs, optimizing data fetching and state management for enhanced application performance.
- Component Architecture & Quality:** Built reusable UI components and maintained strict code quality standards via Git version control, peer reviews, and agile sprint workflows.

PROJECTS

1. Quickblog – AI-Powered MERN Blog Platform

Live: ai-blog-platform-web.vercel.app | Code: github.com/newaz10/ai-blog
Tech Stack: MongoDB, Express.js, React.js, Node.js, Google Gemini API, JWT, ImageKit CDN

- AI Engine Integration:** Integrated Google Gemini API to auto-generate structured blog drafts, cutting turnaround time by 40% with strict output validation to clean AI data.
- Full-Stack Architecture:** Built a decoupled MERN layout with robust JWT token authentication, secure role-based admin routing, and dynamic Mongoose validation schemas.

2. Chattr – Real-Time Chat Application

Live: chattr-chat.vercel.app | Code: github.com/newaz10/chattr
Tech Stack: MongoDB, Express.js, React.js, Node.js, Socket.IO, Tailwind CSS

- Bi-Directional Communication:** Engineered instant messaging functionality leveraging Socket.IO for persistent, full-duplex WebSocket connections and live state updates.
- Data Persistence:** Structured secure MongoDB models for message persistence, designing a responsive UI aligning threads dynamically based on roles.

3. Crypto Tracker – Live Market Dashboard

Live: crypto-tracker-bd.vercel.app | Code: github.com/newaz10/crypto-tracker
Tech Stack: React.js, React Router DOM, React Context API, react-google-charts, CoinGecko API

- State Management & API:** Leveraged React Context API for global state management to consume CoinGecko REST endpoints, managing live market metrics.
- Data Visualization:** Built an interactive data dashboard incorporating react-google-charts for multi-timeline historical trend tracking with route guards.

COMPETITIVE PROGRAMMING

- Algorithmic Problem Solving:** Solved 700+ algorithmic problems across online judges, including Codeforces (codeforces.com/profile/Newaz10 | Max Rating: 1298), demonstrating strong foundational systems thinking.

EDUCATION

Daffodil International University — B.Sc. in Computer Science and Engineering 2020 – 2024
CGPA: 3.52 (Out of 4.00)