

RAHUL KUMAR SINGH

Full Stack Developer | React.js, Next.js, TypeScript | Node.js & Python | REST APIs, Microservices, Real-Time Systems | AI-Assisted Development

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PROFESSIONAL SUMMARY

Full Stack Developer with 4.5 years of experience designing, building, and shipping scalable web applications end to end — React.js/Next.js/TypeScript front ends over Node.js and Python (Django) back ends — for fintech and healthcare products used in production daily. Currently Front-End Lead: owns architecture, delivery, and code quality across client products, mentoring ~7 engineers per project in Agile teams of up to 16. Builds secure REST APIs and microservices (JWT, versioned contracts) and event-driven real-time systems (WebSockets) serving live financial-market data at high volume; leads WCAG-accessible interfaces for clinical workflows. Proven, measured impact: load times -40% through performance engineering, regressions -30% via automated testing (Jest, RTL, Cypress) in GitHub Actions CI/CD, engagement +30%, team ramp-up -40% through documentation. Early and deep adopter of AI-assisted development — daily Claude/Copilot/Cursor practice, drove team-wide adoption as internal standards, and shipped GenAI agents via Microsoft Copilot Studio.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Redux / Redux Toolkit, React Query, HTML5, CSS3/SCSS, Tailwind CSS, Material UI, responsive design, accessibility (WCAG), reusable component libraries

Backend: Node.js, Express.js, Python (Django, Django REST), REST API design & integration, microservices, JWT authentication, WebSockets / Socket.io, event-driven architecture

Databases: MongoDB (Mongoose), MySQL, PostgreSQL — schema design, query optimization, data modeling

Cloud & DevOps: AWS (EC2, S3), Docker, Kubernetes, Git, GitHub Actions CI/CD, Vercel, Netlify, Postman

Quality & Practice: Jest, React Testing Library, Cypress, code reviews, debugging & root-cause analysis, design patterns, data structures & algorithms, Agile/Scrum, technical documentation, mentoring

AI-Assisted Development: Claude (Anthropic), GitHub Copilot, Cursor IDE — daily AI-accelerated workflows; GenAI agents with tool integrations (Microsoft Copilot Studio + Teams); team enablement & validation standards

PROFESSIONAL EXPERIENCE

Front-End Lead (Full Stack Developer) | Webmob Software Solutions Pvt. Ltd., Mohali 01 Mar 2023 – Present

- Design, develop, and maintain scalable full-stack applications (React/Next.js + Node.js/Python) across the full SDLC for fintech and healthcare clients, in Agile teams of up to 16.
- Build secure, well-documented REST APIs and microservices, and event-driven real-time services delivering live stock/crypto data over WebSockets at high message volume.
- Lead WCAG-accessible React front ends — medical data visualization and complex, compliance-sensitive clinical forms — with reusable component libraries adopted across multiple products.
- Optimize performance end to end (code-splitting, lazy loading, memoization, query tuning): load times -40%, user engagement +30%; maintain CI/CD with automated testing (Jest, Cypress), regressions -30%.
- Drove team-wide adoption of AI-assisted development (Claude, Copilot, Cursor) as internal standards; built and deployed GenAI conversational agents via Microsoft Copilot Studio integrated with Teams.
- Lead design and code reviews, resolve production issues through root-cause analysis, mentor ~7 developers per project, and serve as primary technical contact for clients (onboarding docs cut ramp-up ~40%).

Full Stack Developer | ValueCoders Services Pvt. Ltd., Gurugram 11 Jan 2022 – 18 Jan 2023

- Delivered end-to-end features — React front ends with Node.js/Express REST APIs over MySQL and MongoDB — in Agile Scrum; built a real-time WebSocket chat application and a reusable React component library adopted across projects.

KEY PROJECTS

- Quasar Markets (Aug 2023 – Present) — Real-time financial markets platform: Python/Django REST + event-driven data services at high message volume, and a React/Next.js client with Redux-managed live state in a 16-person team (+30% engagement).
- HekaBio (2025 – Present) — Healthcare clinical-workflow platform: Front-End Lead for WCAG-compliant medical data visualization and multi-step compliance-sensitive forms; reviews and releases across an 11-person distributed team.

EDUCATION & AWARDS

MCA, Computer Applications — GLA University, Mathura (Aug 2020 – Jan 2022) — 87.07% | **BCA** — Dr. Bhim Rao Ambedkar University, Agra (Sep 2016 – May 2019)

- Top Performer, Webmob Software Solutions (2024) — recognized for consistent high-quality delivery and client appreciation.