

KAUSHIK CHAUDHARY

Frontend Engineer (React / MERN Stack) | Web Development | Real-Time Systems

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[LinkedIn](#) | [GitHub](#) | [GitLab](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Frontend Engineer with 2 years of hands-on experience building responsive, production-grade web applications using React.js, Next.js, Node.js, and MongoDB. Skilled at creating clean, scalable user interfaces, integrating RESTful APIs, and collaborating with cross-functional teams. Experienced in real-time integrations (WebSocket, BLE) and developing solutions for healthcare and IoT platforms. Transitioned from commerce background to technology, demonstrating strong adaptability and passion for modern web development.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Material-UI, Shadcn UI

Backend: Node.js, Express.js, Mongoose, MongoDB, RESTful APIs

Testing & QA: Jest, React Testing Library, Manual Testing, Defect Validation, Test Case Development

Real-Time & IoT: WebSocket, BLE, UART, MQTT

Tools & Platforms: Git, Docker, Jira, Figma, Electron.js, Chart.js

PROFESSIONAL EXPERIENCE

Frontend Engineer (React / MERN Stack) | Kali Med Tech, Ahmedabad | Jan 2024 – Present

- Develop and maintain KMT healthcare platform using React.js, Next.js, Express.js, and MongoDB serving multiple clinics with real-time medical device monitoring
- Build responsive UI components from Figma designs using modern UI libraries (Tailwind CSS, Material-UI, Shadcn UI) ensuring pixel-perfect implementation
- Design and implement role-based dashboards with multilingual support, theming system, and responsive layouts for various user roles
- Develop real-time ECG visualization interfaces using WebSocket and BLE for IoT medical devices with live data streaming capabilities
- Create and maintain comprehensive inventory management features including device listing, tracking, allocation workflows, and status monitoring
- Integrate RESTful APIs for ECG file uploads, processing, and AI-powered analysis ensuring seamless data flow between frontend and backend services
- Contribute to backend development using Express.js and Mongoose for robust data management, authentication, and API endpoints
- Collaborate with QA team to write and execute test cases using Jest and React Testing Library, validate bugs, and maintain high code quality standards
- Support live operations by monitoring real-time dashboards, resolving production issues, and ensuring system reliability for hospital deployments
- **Key Achievement:** Progressed from junior developer to independently shipping production features and owning multiple critical modules within first year

Frontend Developer Intern | BytParity | 2023

- Gained foundational experience in React.js development, modern web technologies, and industry-standard practices
- Worked on real-world projects learning component architecture, state management, API integration, and Git workflow
- Collaborated with development team on building responsive web interfaces and implementing UI/UX designs

KEY PROJECTS

OOD – ECG Analyzer Platform | *React.js, Next.js, WebSocket, REST APIs*

Developed comprehensive frontend interface for ECG file uploads and AI-powered analysis results. Implemented real-time analysis progress tracking using WebSocket for live updates. Integrated REST APIs for seamless data exchange between frontend and AI backend services. Applied mobile-first responsive design principles ensuring optimal user experience for clinic interfaces across all devices.

Quality Management System (QMS) | *React.js, Shadcn UI, Jest, Role-Based Access Control*

Designed and built comprehensive role-based dashboards for super admin, admins, support staff, QA, and hardware teams. Implemented multilingual support and dynamic theming system with fully responsive layouts. Created intuitive UI workflows for quality tracking, compliance monitoring, and team collaboration. Developed extensive unit test coverage using Jest and React Testing Library.

BLE & UART Monitoring Applications | *Electron.js, React.js, Chart.js, BLE, WebSocket*

Created cross-platform desktop applications for real-time ECG device monitoring using Electron.js and React. Implemented live data visualization using Chart.js for multiple simultaneous BLE device connections. Handled complex device integration workflows with BLE and UART protocols. Ensured consistent, responsive UI optimized for clinical environments with real-time data streaming.

EDUCATION

Bachelor of Computer Applications (BCA) | 2020 – 2023 | Gujarat, India

B.Com (1st Year) | 2017 – 2018 | Gujarat, India

Higher Secondary (Commerce) | 2015 – 2017 | Gujarat, India

ACHIEVEMENTS

- Delivered critical production-ready dashboards for hospitals and clinics within first year at Kali Med Tech
- Successfully transitioned from commerce background to technology, completing BCA and establishing career in frontend development
- Independently handled frontend development for real-time healthcare systems with ownership of multiple feature modules
- Recognized for rapid skill acquisition, problem-solving abilities, and taking initiative on complex technical challenges
- Built strong expertise in MERN stack through hands-on production experience and continuous learning

ADDITIONAL INFORMATION

Languages: English, Hindi, Gujarati

Availability: Immediate (Currently employed, serving notice period negotiable)