Chirag Kushwaha

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Professional Summary

Experienced Full Stack Software Engineer with a strong background in developing and maintaining complex web and mobile applications, especially within the healthcare sector. Proven expertise in modern technologies like React Native, Next.js, Node.js, and AWS. Adept at working in fast-paced environments and delivering high-quality, user-centric solutions. Demonstrated ability to lead projects, improve user experience, and optimize system performance.

Technical Skills

- Languages: JavaScript (ES6+), TypeScript, Java, Kotlin, Python, Groovy, HTML, CSS
- Frameworks/Libraries: React Native, Next.js, React.js, Redux, Node.js, Express, Keystone.js, Prisma, Tailwind CSS, Ant Design, Kea.js, Storybook
- Databases: MySQL, DynamoDB
- Cloud: AWS (EC2, DynamoDB)
- Tools: Git, Docker, webpack, Rollup.js, Figma, Mixpanel, Turborepo
- Other: GraphQL, REST APIs, Firebase, Google Cloud Platform (GCP), Oracle Cloud, SEO Schemas, PWA, CSR/SSR/SSG/ISR, Service Workers, Animations
- DSA (Data structures and algorithm 3yr+)
- Design Patterns (3yr+)

Professional Experience

Fullstack Software Engineer at IPD Analytics (June 2025 - Current)

- Web/Backend Development :
    - Developing **analytics and market valuation dashboards** for drugs, providing insights into clinical trials, regulatory approvals, and sales trends.
    - Contributing to the design of a **federated GraphQL architecture** with Apollo Gateway and subgraphs to integrate drug, trial, pricing, and regulatory datasets.
    - Building **APIs and data pipelines** to power dashboards with real-time data, advanced filtering, and predictive analytics.
    - Optimizing backend systems with **PostgreSQL, Elasticsearch, and Redis** to ensure scalable, high-performance querying and visualization.

Fullstack Software Engineer at [Eka Care](#) (June 2021 - April 2025)

- App Development:

    - Architectured Doctor Android app.
    - App performance optimization decreased app load time by from 5.1s to 1.14s.
    - Bundle size reduced by 40%.
    - Developed server driven UI Sdk.
    - Developed UI Library as a core sdk in order maintain consistency in the app.
    - Developed Features in an sdk fashion so that it's easy to plug and play.
    - Published several sdk like medical records, Abha sdk,
    - Developed Appointment, Receipt, Homepage and payment flows in react native

- Web Development:

    - Developed and managed the entire website for [Eka Care](#).
    - Implemented Progressive Web Applications (PWA) and server components to enhance the efficiency (performance score 94+, best practices 100, SEO 100) of page loading (less than 1.2s) and provide offline support.
    - Organically obtained the Cowin Certificate (400,000+ daily users)

- Sass Tool Development:

    - Engaged in the development of the Doctor tool for web, [Android](#), and [iOS](#) platforms.
    - Made our systems FHIR Compliant.
    - Streamlined the Doctor Onboarding Process (96k+ doctors onboarded).
    - Provided efficient profile management (used by 96k+ doctors)
    - Enabled appointment booking (1.7 Cr+ appointments created)
    - Implemented a Queue feature for doctors (14k+ doctors use daily)
    - Developed Frontdesk for staff (2.2L users onboarded, 48+ businesses, and 226+ doctors)
    - Facilitated Billing and Receipt Generation (21L+ receipts generated)
    - Integrated Google My Business with existing doctor profiles and synced them with Google to keep them up to date (12K+ users of GMB profile).
    - Sent regular communication to doctors about the latest updates in their GMB for increased engagement.
    - Performed schema updates on the website and optimized them for keywords.
    - Developed Doctor Discovery to enhance visibility.
    - Developed Payment Flow and Cross Sale Product Flows (3k+ paid doctors)

- CMS, Receipt Generation and UI Library:

    - Created a robust CMS to maintain all text displayed on the website and app

(8.5Cr+ users on the patient and doctor sides).
- Implemented a PDF Rendering system for receipt customization and generation (8.4 Cr+ total prescription and receipt generation).
- Developed an Access Control system with granular restrictions at the feature and API level.
- In-house UI library built for utilization across doctor teams

- Documentation and Code Quality:
  - Documented APIs and ensured code quality for easier scaling in the future

- Automation:
  - Implemented GitHub CI/CD pipeline, the entire build process was automated, significantly improving the efficiency of testing and deployment.

Software Engineer at [314e Healthcare IT Solutions PVT Ltd](#) (Sep 2020 - Jun 2021)

- [WildDuck UI](#): Developed a mail server admin panel for user and quota management.
- Penknife: Created a candidate management system for tracking job applications.

Software Engineer at [Innovacx](#) (Jan 2020 - Jun 2020)

- DPW (Dubai Port World) Project: Worked on Oracle Cloud applications (Sales, Integration) using Groovy and VBCS.

Education

- B.Tech in Computer Science Engineering from [GITAM University](#), Hyderabad (2016-20) - Aggregate: 8.73
- Class XII from [Army Public School, Nehru Road](#) (2015-16) - Aggregate: 91.40
- Class X from [St. Ann's Convent School](#) (2013-14) - Aggregate: 83.40

Internship

- Frontend Developer Intern (May, 2019 - July, 2019)
  [Research Design and Standards Organization (RDSO)](#)

Personal Projects

- [Portfolio](#) (React.js, Tailwind, Zustand, OPFS, PWA)

- [Push Notification System](#) (Node.js, MySQL)
- [Netflix Clone](#) (React.js)
- [Shoppy Dashboard](#) (React.js)
- [Image Processing](#) (JavaScript, Rust)
- [World Rank](#) (React.js)
- [Rick & Morty](#) (Flutter)

Publications

- [Add Passport Details To Your CoWIN Certificate](#) - Orbi Health PVT Ltd, Oct 2021

Awards & Certificates

- Hackathon Winner - Virtusa (June 2019)
- Blind Coding Winner - GITAM (June 2019)
- Problem Solving (Basic) - HackerRank (April 2021)
- Python (Basic) - HackerRank (August 2020)

Language

- English (Professional working proficiency)
- Hindi (Native or bilingual proficiency)

Hobbies

- Sketching, Learning, Coding, Guitar, Skating, Chess, Ethical Hacking

Reference

- [Anusheel Singh](#), Tech lead at Eka.care, Ex Volunteer Contributor at Aarogyasetu, and Ex Senior Software Engineer II at Goibibo