

# Dipesh Singh

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## SKILLS

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**Languages:** JavaScript, TypeScript, Python  
**Frontend:** React.js, Next.js, Redux, Material UI, Tailwind CSS, Shadcn/UI, Ant Design, HTML5, CSS3, jQuery  
**Architecture:** Micro Frontends, Module Federation, Single-spa, PWAs, Webpack, Vite  
**Backend & APIs:** Node.js, Express.js, GraphQL, REST APIs, MongoDB, PostgreSQL, WebSockets  
**Testing:** Jest, React Testing Library, Cypress  
**Cloud & Tools:** AWS, Docker, Git, GitHub, Zapier  
**Methodologies:** Agile, Scrum

## EXPERIENCE

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### Senior Software Engineer - Frontend

Dec 2024 - Present

#### Applied Informatics

Remote, India

- Led development of patient recruitment and trial management modules for the iConnect platform using **React**, **TypeScript**, **GraphQL**, **Material-UI**, and **React Final Form**, supporting enterprise healthcare clients including **Pfizer**, **Sanofi**, **PPD**, **UPenn**, **NYU**, and **Indiana University**.
- Designed and delivered multilingual **Prescreener**, **Volunteer Outreach**, and **Potential Referrals** workflows, enabling large-scale participant onboarding and management through dynamic multi-step forms and high-volume datasets.
- Architected an event-driven **Automation Engine** for referral management and outreach communications, supporting configurable triggers, automated workflows, and email notifications.
- Implemented role-based access control and reusable frontend architecture patterns while contributing to **6+** enterprise releases that supported client expansion and long-term platform growth.

### Contractual Full Stack Developer

December 2022 - October 2024

#### Kimp.io

Remote

- Integrated **Kimp360** CRM with **Zapier** and implemented secure **OAuth authentication** using **Next.js APIs** and **Postgres**, reducing manual effort by **70%** and improving operational efficiency.
- Developed customer-facing features for **Buy.ca**, a **prop-tech** platform, increasing user retention by **25%** and driving engagement growth.

#### Edzer

- Engineered an online finance and marketing course **ed-tech** platform.
- Built middle layer APIs in **Next.js** for user session management, resulting in a **35%** increase in user engagement.
- Successfully integrated **Vimeo** video player and **Razorpay** payment gateway.

### Founding Frontend Engineer

July 2019 - October 2022

#### MiM-Essay

Delhi, India

- Spearheaded development of the **mentr-me** **ed-tech** platform using **React.js**, **Redux**, **Next.js**, **Material-UI**, and **TypeScript**, leading a team of **6** developers to support **5,000+** active users.
- Architected a micro frontend architecture with **Webpack Module Federation**, enabling independent deployments for **2** teams, reducing deployment time by **48%** and increasing feature delivery by **60%**.
- Integrated **Twilio** SDK for audio/video calls and **WebSockets** for real-time chat, enabling communication between **1,000+** mentors and mentees while increasing average session duration by **15** minutes.
- Developed a school exploration platform with advanced filtering and search capabilities, improving user retention by **20%** and contributing to monthly growth of **3,000+** new users.
- Implemented **Cypress** end-to-end testing and **Amplitude** analytics, increasing platform reliability by **40%**, reducing test execution time by **30%**, and improving feature adoption by **15%**.

## EDUCATION

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### G.B. Pant Government Engineering College

Bachelor of Technology in Computer Science

Delhi, India

August 2016 - September 2020