

# Dipesh Singh

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## SKILLS

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**Languages:** JavaScript, TypeScript, Python

**Frontend:** HTML, CSS, jQuery, React.js, Redux, Next.js, Micro Frontend Architecture, Module Federation, Single-spa, PWA, Vite, Webpack

**CSS Frameworks:** Bootstrap, Material UI, Tailwind CSS, Shadcn, Ant Design

**Backend:** Node.js, Express, RESTful APIs, GraphQL, MongoDB, Postgres, WebSockets

**Testing:** Cypress, Jest, React Testing Library

**DevOps/Tools:** Docker, Git, GitHub, AWS, Zapier

**Project Management:** Scrum, Agile Methodology

## EXPERIENCE

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### Senior Software Engineer - Frontend

Dec 2024 - Present

#### Applied Informatics

Remote, India

- Contributed to the iConnect platform using **React**, **TypeScript**, and **GraphQL**, facilitating patient recruitment for clinical trials run by major pharma companies like **Pfizer**, **Sanofi**, **UEPN**, and **Indiana**.
- Designed and implemented a new Site Availability module allowing clients to manage site availability across time zones, countries, and slots, enhancing efficiency in clinical trial scheduling.
- Enhanced messaging functionality and supported onboarding of new clients, improving user experience and expanding platform adoption.

### Contractual Full Stack Developer

December 2022 - October 2024

#### Kimp.io

Remote

- Integrated **Kimp360** CRM with **Zapier**, reducing manual data entry by **70%** and streamlining task efficiency.
- Developed custom **OAuth authentication** with **Next.js APIs** and **Postgres**, enhancing data security and cutting task processing time by **50%**.
- Created initial property-related pages and tools for **prop-tech** platform **Buy.ca**, increasing user retention by **25%** and boosting engagement.

#### 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%** while increasing feature delivery by **60%**.
- Integrated **Twilio** SDK for audio/video calls and **WebSockets** for real-time chat, enabling communication between **1,000+** **mentors/mentees**, improving the average session duration by **15** minutes.
- Developed a school exploration tool with **filters** for degree, school, region, intake, category, and search options, improving user retention by **20%** and accelerating monthly growth of **3,000+** new users.
- Generated user feeds (**Q&A**, **masterclasses**, **events**), supporting **1000+** new users each month.
- Optimized test coverage with a **Cypress** end-to-end test suite, increasing reliability by **40%** and reducing test execution by **30%**.
- Incorporated **Amplitude** to track user behavior, boosting feature usage by **15%** & driving future enhancements.
- Implemented **Redux** for state management, centralizing the app's state, **optimizing** component re-renders, and improving scalability for large datasets and complex state interactions.

## EDUCATION

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### G.B. Pant Government Engineering College

Bachelor of Technology in Computer Science

Delhi, India

August 2016 - September 2020