

AJAY KUMAR SINGH

Senior Frontend Developer

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EXPERIENCE

Software Development Engineer-3 (Web3) 06/2022 - Present

Six Sigma Sports(ST Labs) Bengaluru, KA

- Leading **frontend architecture & development** for **blockchain-based platforms**, focused on **betting** and **Cosmos token SGE**.
- Optimized **Remix (React & Node.js)** applications, enhancing **user engagement** and reducing **load times**.
- Integrated **Web3Auth, OAuth2 & Synaps KYC**, improving **user verification** for a seamless authentication process.
- Developed **DeFi wallet integrations** (Keplr, Leap, Cosmostation), enabling **secure transactions** across desktop & mobile.
- Implemented **React Query & Redux**, optimizing **data fetching, caching, and real-time synchronization**.
- Published an **npm package for Cosmos transactions**, streamlining **proto encoding** and reducing development time.
- Designed **WebSockets & fallback mechanisms**, enabling **real-time updates** and improving **data accuracy**.

Senior Software Engineer 03/2020 - 05/2022

Paytm (One 97 Communications PVT LTD) Bengaluru, KA

- Hotel Booking Platform** - Led the development of a **React-based booking system**, enhancing user experience and driving a noticeable **increase in bookings within the first quarter**.
- ONDC Digital Commerce** - Key contributor to **ONDC**, improving platform interoperability and streamlining **efficiency for seamless transactions**.
- Return & Exchange System** - Developed a robust return & exchange system for Paytm Mall, optimising workflows for **2M+ customers**.
- Email Template System** - Built an **automated email template system**, reducing **design-testing iterations by 50%** and improving **developer efficiency**.
- Seller Panel Revamp** - Revamped the seller panel experience, enhancing **usability, reducing operational issues**, and **streamlining onboarding**.
- Social Commerce (Hi5 Project)** - Led the development of **Hi5, a group-buying platform**, significantly **increasing engagement and transaction volume** within the first few months.

Senior Software Engineer 09/2019 - 02/2020

Trakinvest Bengaluru, KA

- Virtual Trading Platform** - Revamped a **React-based trading platform**, enhancing user retention & engagement through improved UX and performance.
- Designed and built **Trakinvest's landing page (Gatsby.js)** with **SEO-optimized** performance.
- Developed a **Next.js product**, expanding **SSR tech** portfolio for better scalability and SEO.
- Automated Certificate Issuance** - Designed and implemented an **automated certification system**, enabling **seamless and instant issuance** of completion certificates, improving efficiency and user experience.
- Dynamic Event Page System** - Developed a **versatile event page generator**, allowing customisable layouts and **enhancing event visibility, engagement, and participation**.

Software Engineer 02/2019 - 08/2019

Good Earth Delhi

- Crafted **responsive pages** using **React**, enhancing **UI/UX** and ensuring **cross-device compatibility**.
- Integrated **OAuth2** for **social media authentication**, simplifying **user registration** and enabling **secure sign-up/login**.
- Developed an **interactive book feature** with **Turn.js**, providing an **engaging content presentation**.
- Implemented an **address module with map integration**, enabling **location-based services** and improving **user navigation**.

Software Engineer 10/2016 - 02/2019

GlobalLogic Noida

- Developed an **Ember.js** Employee Consortium Portal for **DISA**, improving **resource accessibility** and **internal communication**.
- Built an **Angular.js** Employee Directory, enabling quick **contact lookup** and **performance tracking** across teams.
- Designed a **CMS system**, optimizing **content management workflows** and improving update efficiency.
- Created a **C# to Ember model converter**, automating **data transformations** and reducing **developer workload**.

AWARDS & RECOGNITION

GlobalLogic Performer of the Quarter (2017)

Recognised for driving frontend innovation & enhancing Team efficiency

Paytm Performer of the Year (2020-21)

Awarded for outstanding contributions to Hotels and ONDC.

TECHNICAL SKILLS

Frontend Development

Javascript · React.js · Next.js · Remix ·

Gatsby.js · Redux · TypeScript · JavaScript

State Management

React Query · Redux · Context API

Web3 & Blockchain

CosmJS · Web3Auth · Cosmos Kit ·

DeFi Wallets · DFNS · Coinbase SDK

Styling & UI Frameworks

Tailwind CSS · Material UI ·

Styled Components · Bootstrap

Frontend Performance & Optimisation

Webpack · Vite · Rollup · Esbuild

API & Backend Familiarity

REST APIs · GraphQL(Familiar) ·

Node.js(Familiar)

EDUCATION

Computer Science And Engineering

Dr. A.P.J. Abdul Kalam Technical University

2012 - 2016

- Data Structures, Algorithms, DBMS

ADDITIONAL EXPERIENCE

Content Auditor (Unacademy) & Teaching Assistant (UpGrad)

Assisted in course quality audits, collaborated with instructors, and enhanced learning experiences for thousands of students.