

Vipin Rawat

Senior Frontend Developer

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Design & Markup - HTML, CSS, Tailwind, Figma, Zeplin, Storybook

Advanced understanding of web standards, SEO, accessibility & usability best practices. Building responsive web experiences. Building and maintaining design systems & component libraries.

Frontend - React, TypeScript, React Native, GraphQL

Advanced knowledge of React state management with libraries like Redux, Zustand, React query, writing reusable hooks, consuming data from GraphQL & REST APIs.

Advanced Frontend - Next.js, Micro-frontends

Experienced in high-performance, server-side rendered Next.js applications using code splitting, lazy loading, and caching, with a strong understanding of server components and hydration. Proficient in Storybook, atomic style guides, and creating CSS and micro animations with Greensock. Also skilled in React Native and Flutter for cross-platform mobile applications.

AI / LLM - RAG, MCPs, AI Agents

for natural language processing tasks, utilizing Hugging Face for model deployment and fine-tuning. Enabling real-time image-based applications for dynamic environments. Integrating AI capabilities, including RAG, MCPs, and AI Agents, within frontend applications for advanced data processing, visual recognition, and machine learning.

Blockchain/Web3 - Polygon, Ethereum, Hedera, Solidity

Building Web3 marketplaces and minting tools on various blockchains while handling wallet connections via Metamask and other popular crypto wallets. Using smart contracts to handle decentralized transactions.

Backend - Node.js, MongoDB, POSTGRES

Building GraphQL, REST APIs & serverless functions. Well-versed in using services like Contentful, Prismic, and Drupal for headless content management.

DevOps - Docker, AWS, Vercel

Working with web servers, CI/CD environments & public cloud services.

Project Management - Jira, Bitbucket, Github, Gitlab, Agile Framework

Working in Agile teams with popular tooling - Jira, Bitbucket. Mentoring other engineers.

EXPERIENCE

June 2024 – Present: The Admiral Network, Manchester

Software Engineer, Tools and solutions for online store.

- Integrated AI capabilities, including RAG, MCPs, and AI Agents, to create chatbots and manage ecommerce functionalities
- Improved the load time of the web-app by server-side rendering the initial HTML.
- Created Robust backend using PostGres using best security practices.

Jan 2023 – March 2024: Publicis Sapient

Senior Experience Engineer, Optum UHG group (Health Insurance)

- Owned the client-facing frontend, that allows Optum clients to send requests for services.

- Improved the load time of web-app by server-side rendering of initial HTML.
- Redesign the old codebase to build more reusable components, better test coverage and documentation.
- Improving the codebase from Class components to functional via hooks for better developer experience.
- Line-managed & mentored two mid-level engineers to enable them to grow within the company.

Jan 2022 – Jan 2023: Strip Finance, British Virgin Islands

Senior Frontend Engineer, Web3 and NFTs

- A more functional & slicker dashboard helped improve user engagement rate by 15%.
- Enhanced an old dashboard and added new features like bar graphs and charts.
- Introduced atomic web design concepts for the portal with special care to accessibility, usability, and testability.
- Worked with product designers to create a design system & component library published for company-wide use.
- Enhanced the web3 wallet connectivity by adding BSC and Polygon blockchains and handled blockchain events.
- Improved the product's user experience by solving inconsistencies and replacing legacy components.

Sep 2020 – Jan 2022: Kravein, Melbourne

Lead Frontend Engineer, Customer, and Admin Apps

- Reduced website load times by up to 40% because of performance improvements.
- Owned the migration process of old react native codebase to modern functional components.
- Implemented reanimated 3.0 animations to improve the animation performance of cross-platform apps.
- Created a robust payment system using Stripe to manage escrow transactions.
- Improved the performance & offline capabilities of the website by using pre-rendering & caching.
- Created a multiplatform admin-facing app in Flutter to manage orders using GetX and Firebase analytics.

Mar 2019 – Sep 2020: JC Software Solutions

Associate Software Engineer, Service-Based Apps

- Wrote robust unit tests for code coverage and leakproof security standards.
- Owned and lead the frontend team that built this automation platform.
- Created a dynamic form-generator in React Native, that helped reduce new device onboarding time.
- Built highly performant React components with infinite loading lists.
- Facilitated technical planning & helped break down features into technical tasks.
- Mentored two interns on Frontend development.

EDUCATION

Dec 2023 – Dec 2024: [Masters' in Computer Science, Birmingham University, United Kingdom](#)

Jun 2014 – July 2018: [Bachelor's degree in Information Technology, Punjab Technical University, India](#)

PROJECTS

Mignomic – Mignomic is an AI-powered immigration tool that simplifies the process by automating form preparation, reducing errors, and ensuring correct documentation. It provides accurate, fast, and secure assistance for navigating complex procedures, ultimately saving time and reducing stress for immigration applicants.

Jan 2025 – Present

Implementation of modern ui with best practices with LLM integration and agentic flows

Tech Stack: Nextjs, TypeScript, RAG, Chrome extension, Gemini 2.5

- Created a solution with SSR fully enabled using server actions in Nextjs.
 - Implemented proper error boundaries to manage exceptions.
 - Coded a chrome extension from scratch to autofill forms and manage AI responses
 - Built a custom OCR tool to manage document data and RAG.
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Optum UHG Portal (consulting from Publicis Sapient) – UI redesign and rebranding of Optum's client onboarding portal

Jan 2023 – Present

Implementation of modern ui with best practices in terms of performance and accessibility metrics to improve user experience.

Tech Stack: Nextjs, TypeScript, HTML, CSS, Material UI, and Drupal CMS

- Owned the client-facing frontend, that allows Optum clients to send requests for services.
 - Improved the load time of web-app by server-side rendering of initial HTML.
 - Redesign the old codebase to build more reusable components, better test coverage and documentation.
 - Improving the codebase from Class components to functional via hooks for better developer experience.
 - Line-managed & mentored two mid-level engineers to enable them to grow within the company.
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Strip Finance App – NFT collateralization platform for crypto users to gain interest and manage portfolios.

Jan 2022 – Jan 2023

Using blockchain technology strip finance enables the web3 community to put NFTs as collateral and earn interest over it by lending them. It used popular blockchains like Polygon and Binance chain which are eco-friendly and leave less carbon footprint.

Tech Stack: HTML, CSS, TypeScript, Nextjs, Node.js, GraphQL, MongoDB, Polygon, Ethersjs

- A more functional & slicker dashboard helped improve user engagement rate by 15%.
- Enhanced an old dashboard and added new features like bar graphs and charts.
- Introduced atomic web design concepts for the portal with special care to accessibility, usability, and testability.
- Worked with product designers to create a design system & component library published for company-wide use.
- Enhanced the web3 wallet connectivity by adding BSC and Polygon blockchains and handled blockchain events.
- Improved the product's user experience by solving inconsistencies and replacing legacy components.

Kravein App – Discovering and sharing great food and places and ordering food via web and mobile app.

Sep 2020 – Jan 2022

A social media platform to discover restaurants and eateries in Australia and leave photogenic reviews about the food. A well-built ordering system and a real-time restaurant management system to manage orders from users.

Tech Stack: Nextjs, React Native, Flutter, TypeScript, GraphQL, Nodejs

- Reduced website load times by up to 40% because of performance improvements.
 - Owned the migration process of old react native codebase to modern functional components.
 - Implemented reanimated 3.0 animations to improve the animation performance of cross-platform apps.
 - Created a robust payment system using Stripe to manage escrow transactions.
 - Improved the performance & offline capabilities of the website by using pre-rendering & caching.
 - Created a multiplatform admin-facing app in Flutter to manage orders using GetX and Firebase analytics.
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Mintmaster Labs – A web3 platform for crypto users to engage with Hedera ecosystem, buy/sell NFTs and manage their crypto assets.

Jun 2021 – Mar 2022

Mintmaster Labs is an ecosystem for Hedera DLT users to manage their assets. Users can view, send NFTs and tokens via the user interface. Platform also allows the users to visualize their portfolios and mint fungible and non-fungible tokens and store the data on decentralized storage

Tech Stack: Nextjs, Hedera, Tailwind CSS, Zustand, TypeScript, Node.js, GraphQL, Apollo

- Created a modular modern UI for users to interact with the Hedera ecosystem.
 - Integrated popular Hedera wallets like Hashpack and Flash for decentralized authentication.
 - Implemented animations using threejs for a better user interface and cool aesthetics.
 - Made connections with wallets for digital signatures and authorization using wallet connect.
 - Architected a lightweight state management system using Zustand and context API.
 - Created a minting system for users to mint NFTs via a review system and IPFS.
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Flash Crypto Wallet – A crypto mobile wallet for managing tokens on Hedera DLT.

A cross-platform mobile wallet to store, send, receive, and manage crypto assets.

Tech Stack: React Native, Zustand, Recoil, TypeScript, ES6, Wallet Connect, Nodejs, Hedera

- Created an IOS and Android app for quick development and release.
 - Implemented best security practices to store users' private keys in the client.
 - Worked closely with a product designer to create a pixel-perfect & catchy interface.
 - Created reusable custom components and hooks for a better developer experience.
 - Optimum use of react-navigation routing APIs for deep linking in both platforms.
 - Integration of the Hedera SDK APIs to transfer cryptocurrencies and show transactions.
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Instaleaf Mobile App – A cross-platform mobile app to review and sell legalized cannabis in Canada.

Sep 2018 – Jun 2019

A reviewing app for legalized marijuana for medical purposes for Canadian users to search, review and recommend cannabis and its products. It has a complete marketplace of products with health benefits and usage details along with previous customer feedback. A well-built portal for users to enable marijuana for the general public with a deep focus on user experience and accessibility.

Tech Stack: React Native, Redux, Nodejs, Rest APIs, Sentry, Google Auth

- Wrote robust unit tests for code coverage and leakproof security standards.
 - Owned and lead the frontend team that built this automation platform.
 - Created a dynamic form-generator in React Native, that helped reduce new device onboarding time.
 - Built highly performant React components with infinite loading lists..
 - Facilitated technical planning & helped break down features into technical tasks.
 - Mentored two interns on Frontend development.
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