

Vasu Khandelwal

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Education

Birla Institute of Technology & Science, Pilani

08/2019 – 08/2023

B.E. (Hons.), Civil

Pilani, Rajasthan

- **Relevant Coursework:** Data Structures and Algorithms (C++), Object-oriented Programming

Technical Skills

Languages: TypeScript, C++, Javascript, Java, Python, C

Database Languages: PostgreSQL, MySQL, Oracle, SQLite, MongoDB

Backend Technologies: NodeJS, NestJS, ExpressJS, JWT, TypeORM, Sessions/Cookies, Redis

FrontEnd Technologies: HTML, CSS, styled-components, ReactJS, NextJS, MaterialUI, TailwindCSS, NextUI, NPM

Developer Tools: Jira, Confluence, Figma, Git, Bitbucket, AWS, GCP, Postman

Experience

HDFC ERGO General Insurance Company Limited

06/2023 – Present

Software Developer - Manager

Mumbai

- Led a **5-member** team to develop **dynamic Proposal Form** for **4** types of health insurance, developing a fast backend API using **Formik/Yup** for validation generating PDF with **70+ input fields**, managing daily traffic of **10,000+ visits**
- Engineered **Pixel-perfect** motor insurance journeys for 2/4-wheel vehicles, integrating **E-Kyc** Flow technology, resulting in a remarkable **12% revenue** surge from our extensive user base of over **1 million daily users**
- Built custom front-end solutions, optimized insurance API response time by **1.2s** and tailored service configurations to match **client requirements** and **channel partners**, also fixed bugs of the **Developer Portal** project

Blue Yonder

07/2022 – 01/2023

Product Development Intern

Remote

- Leveraged **Mulesoft** to develop an API enabling secure **authentication** of **500+ employee's** work daily while ensuring data integrity, Mapped out and optimized **20+ CIS Oracle** runs, maintained **TM** and **TP** API environments
- Validated and corrected **30+ files** by **SQL ingestion** and **transform** service for customer project with product and Integrated delivery teams, ensuring smooth operation

Donut

01/2022 – 05/2022

Front-End Intern

Remote

- Developed a **responsive** landing page using **HTML, CSS, JavaScript** and **ReactJS**, focusing on a smooth user interface and interaction, built **reusable UI components** to enhance code maintainability during an internship
- Collaborated with a senior front-end engineer to build a website, ensuring **code quality** through debugging, issue resolution, and the implementation of **unit test cases**

Projects

Recipe AppV2 | Web Development

09/2023 – Present

- Developed a dynamic, ingredient-driven **recipe app** using **ReactJS** for a front-end, **FontAwesome** for enhanced **UI/UX**, and the **Edamam API** to enable recipe searches based on available ingredients and provide nutritional data.
- Enhancing a recipe app's user experience by integrating **YouTube links** for cooking tutorials and implementing **shopping** features for additional ingredients, with a focus on driving engagement and convenience.

Jamming | Save Spotify Playlist

01/2023 – 03/2023

- Developed a user-friendly **React** application enabling **song search**, custom playlist **creation/modification**, and direct integration with **Spotify accounts** for seamless playlist saving.
- Architected a React front-end integrated with the **Spotify API**, employing the **implicit grant flow** for secure **authentication**. Leveraged Create React App for efficient setup and **Figma** for user-centric design.

E-Commerce App | Web Development

07/2022 – 12/2022

- Developed an intuitive e-commerce web application featuring seamless **user sign-in**, location-based **product browsing**, shopping cart functionality, and wish list creation, enhancing the overall shopping experience.
- Built a scalable platform using **React** for a dynamic storefront, **Algolia** for lightning-fast search, **Firebase/Netlify** for backend/hosting, **Stripe** for secure payment processing, **SpinCart** to optimize shopping cart management.