

Harshal Vaidya

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SKILLS

- **Programming & Scripting** : JavaScript (ES6+), TypeScript, Java, Python, HTML, CSS, Tailwind, GraphQL, Ruby
- **Frameworks & Libraries** : Node.js, React.js, Next.js, Vue.js, Nuxt.js, Express.js, State Management (Redux), Rails
- **Tools and Technologies** : Git, Jira, Agile, CI/CD (Heroku, Netlify), JWT, Nodemailer, EmailJS, Kubernetes
- **Testing and Build** : Unit (Jest, Mocha, Chai), End-to-End (Cypress), Postman, SASS, SCSS, Selenium
- **Databases and Cloud** : SQL (MySQL, PostgreSQL), NoSQL (MongoDB), Oracle, Redis, Docker, AWS, Firebase

EXPERIENCE

Apex Systems | Software Engineer

Aug 2023 - Present

- Developed core features for a **React**-based web application to promote user health, resulting in an increase of **5,000+** users
- Led the development and maintenance of internal products using **React**, collaborating with backend engineers, product managers, and designers, contributing to a **12%** increase in care team efficiency and a **5%** growth in the member base
- Built backend functionality with **JavaScript** and **Node.js** to enforce subscription-based authorization, which increased subscription revenue by nearly **\$5,000** through enhanced access control for paid services
- Collaborated with **UI/UX** team to redesign the app using **React** and **Tailwind**, implementing technical enhancements and integration optimizations, enhancing user engagement and boosting app performance with a rise of **2,000+** active users
- Introduced **WCAG** guidelines for accessible design and development practices, increasing accessibility compliance by **70%** and improving inclusivity aimed at users with disabilities, leading to app being adopted by **85** new users with disabilities
- Managed deployments with Netlify for B2B app, utilizing **TypeScript** and **Loopback API**, ensuring scalability, reducing deployment time by **15** minutes per cycle and scaling app operations efficiently

ICICI Securities - ICICI Bank | Software Engineer

Mar 2018 - Dec 2020

- Enhanced the performance and scalability of a web-based order execution system, increasing order volume by **300,000** transactions after optimizing **JavaScript**, **HTML**, **CSS**, and **API** interactions
- Created a subscription-based advisory portfolio service utilizing modern front-end frameworks like **React**, leading to a investment growth totaling **\$1.5** million through improved **UI/UX** and data visualization techniques
- Analyzed investment data with **D3.js** for precise profit/loss assessments, and built a responsive onboarding module, improving support for **3** million customers and enhancing overall reliability
- Established quality benchmarks by implementing code reviews and automated testing leveraging **Selenium** and **Cypress**, reducing production bugs by over **50** annually and stabilizing product output
- Achieved a **15%** improvement in user satisfaction metrics by collaborating alongside stakeholders and business teams to design and implement user-centric interfaces, optimizing user workflows and increasing overall usability
- Optimized frontend data fetching and rendering using efficient **API** calls and data handling techniques, scaling down trade data report load time from **2** seconds to **0.5** seconds, improving user experience and performance
- Implemented real-time monitoring and alerting systems for frontend features using **Google Analytics**, reducing support tickets by **30** monthly and ensuring continuous uptime

ACADEMIC PROJECTS

House of Books

May 2022

- Improved page loading time from **0.5ms** to **0.15ms**, by employing **Redis**, minimizing server load, integrated **Redux** to simplify state management and developed **React** based search functionality to enhance user experience for searching books
- Set up **Heroku** and **Netlify** for reliable and scalable hosting solutions, automating profile image creation for **300+** account holders leveraging **GraphicsMagick** to allow customizable text saved as PNG files
- Executed **Firebase** for **JWT** based authentication, enabling secure logins for **300+** users to access authorized resources

My Parking Assistant

Nov 2021

- Implemented responsive, intuitive user interfaces (UI) utilizing **HTML**, **CSS**, and **JavaScript** to create a user-friendly experience serving **250+** customers across various devices and browsers
- Integrated **Google Maps API** for accurate geolocation services to improve parking spot selection efficiency, resulting in increased parking satisfaction benefiting over **250** users and sending email notifications through **Nodemailer**

EDUCATION

Stevens Institute of Technology, Hoboken, NJ

Aug 2021 - May 2023

Master of Science | Major : Computer Science

University of Mumbai, Mumbai, India

Post Graduate Diploma | Major : Advanced Computing

Aug 2017 - Feb 2018

Bachelor of Engineering | Major : Information Technology

Aug 2013 - May 2017