

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 web application using **React** and **TypeScript**, aimed at promoting user health, resulting in an increase of **1000+** users
- Led the development and maintenance of internal products using **React**, collaborating with backend engineers, product managers, and designers, resulting in 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, restricting access to paid services, resulting in **5%** boost in subscription revenue
- Collaborated with UI/UX team to redesign app using **React** and **Tailwind**, implementing technical enhancements and integration optimizations that resulted in a **15%** increase in user engagement and improved web application performance
- Implemented WCAG guidelines by incorporating accessible design and development practices, increasing accessibility compliance by **90%** and improving inclusivity for users with disabilities, leading to a **20%** rise in user satisfaction
- Managed deployments with Netlify for B2B app, utilizing **TypeScript** and **Loopback API**, ensuring scalability, while coordinating chrome extension releases to ensure compatibility, which led to **25%** decrease in deployment time

ICICI Securities - ICICI Bank | Software Engineer

Mar 2018 - Dec 2020

- Enhanced the performance and scalability for a web-based order execution system, achieving a **30%** increase in order volume by optimizing **JavaScript**, **HTML** and **CSS** code, and refining **API** interactions for efficiency
- Developed a subscription-based advisory portfolio service using modern frontend frameworks like **React**, leading to a **24.96%** investment growth by implementing intuitive **UI/UX** designs and data visualization techniques
- Analyzed investment data with **JavaScript** and **D3.js** for precise profit/loss assessments, and built a responsive agent onboarding module, improving support for **3M** customers and enhancing overall experience and reliability
- Established and enforced quality benchmarks by implementing code review processes, automated testing using tools like **Selenium** and **Cypress**, and team training, reducing production bugs by **20%** and improving product stability
- Achieved a **15%** improvement in user satisfaction metrics by collaborating with 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, reducing trade data report load time from **2 seconds** to **0.5 seconds**, improving user experience and performance
- Implemented testing, real-time monitoring, and alerting systems for frontend features using tools like **Jest** and **Google Analytics**, reducing support tickets and critical system failures by **12%** and ensuring continuous uptime of web application

ACADEMIC PROJECTS

House of Books

May 2022

- Improved page loading time from **0.5ms** to **0.15ms**, by employing **Redis**, reducing server load, integrated **Redux** to simplify state management and developed React based search functionality enhancing user experience for finding books
- Set up **Heroku**, **Netlify** ensuring reliable and scalable hosting solutions for application. Automated profile image creation for **14+** users using **GraphicsMagick** allowing customizable text saved as PNG files
- Executed **Firebase** for **JWT** based authentication, allowing **14+** users to log in securely and access authorized resources

My Parking Assistant

Nov 2021

- Implemented responsive, intuitive user interfaces (UI) using modern front-end technologies like **HTML**, **CSS**, **JavaScript**, creating user-friendly experience for **13+** users across different devices, browsers
- Integrated geolocation services, **Google Maps API** to provide accurate location information for efficient parking spot selection, increasing parking satisfaction by **40%**, incorporated **Nodemailer** to send email notifications to users

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