Harshal Vaidya

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Summary

Experienced software engineer skilled in React, JavaScript, Node.js, and SQL. Collaborated with teams of 10+ members to develop and deploy web applications, serving 1000+ users. Demonstrated success in delivering innovative solutions, effectively engaging in cross-functional teams. Seeking opportunities to contribute technical expertise to impactful projects.

EXPERIENCE

Software Engineer | Breathing.ai | Jersey City, NJ　　　　　　　　　　　　　　**Sept 2023 - Present**

- Developed core features of browser extension, including personalized color filtering, guided breaks employing **React, TypeScript** promoting user health, receiving positive feedback from **100+** users, app store reviewers
- Implemented a color onboarding feature, engaging users with **5+** colors using **JavaScript**, capturing, storing individual heart rate during screen time for an improved, personalized user experience
- Collaborated with UX designers to develop a heart rate summary component for chrome extension, providing users heart rate value per minute, impacting user health metrics, **20%** rise in positive reviews on web store
- Enhanced product's user interface creating new **React** components, **Tailwind** based web pages, contributing to more intuitive, user-friendly design for **1000+** users

Software Engineer | 3i-Infotech | Mumbai, India　　　　　　　　　　　　　　**Mar 2018 – Dec 2020**

- Maintained optimal performance, gained a **30%** increase in order volume addressing growing transaction volumes through regular scalability, implementing order execution system enhancing **C/C++** code, **SQL stored procedures**
- Achieved **24.96%** investment growth, reducing risks through diversified portfolios, recommended stock allocation, regular performance reviews using **PL/SQL** to develop subscription-based advisory portfolio service
- Performed profit, loss assessment collecting, analyzing client investment data utilizing **Oracle**, building an agent onboarding module with **C/C++** enabling efficient support for **3M** customers
- Developed monitoring, alerting systems using **shell script**, resulting in **50%** decrease in critical system failures

ACADEMIC PROJECTS

House of Books　　　　　　　　　　　　　　**May 2022**

- Improved page loading time by **0.5ms**, reduced load on server by employing **Redis**, integrated **Redux** to limit application complexity, created search functionality for users leveraging **React** components to find specific book
- Set up **Heroku**, **Netlify** to automate, ensure reliable, scalable hosting solution for application. Automated creation of a profile image for **30+** users by applying **GraphicsMagick** for customizable text, saving it as a PNG file
- Executed **Firebase** for **JWT** based authentication, allowing **30+** users to log in securely, 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 **20+** 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

LEADERSHIP & EXTRA-CURRICULAR ACTIVITIES

- Provided mentorship, academic advice, coordinated activities for **500+** graduate students, aiding curriculum navigation, course selection, academic decision-making, and facilitating a smooth settlement on campus
- Achieved **3rd** prize in a technical poster presentation competition

EDUCATION

Stevens Institute of Technology, Hoboken, NJ　　　　　　　　　　　　　　**May 2023**
Master of Science | Major : Computer Science

Vidyanidhi Infotech, Mumbai, India　　　　　　　　　　　　　　**Feb 2018**
Post Graduate Diploma | Major : Advanced Computing

University of Mumbai, Mumbai, India　　　　　　　　　　　　　　**May 2017**
Bachelor of Engineering | Major : Information Technology

SKILLS

- **Languages**　　　　**:** C, C++, Java, JavaScript, Python, PL/SQL, TypeScript
- **Database**　　　　**:** MySQL, MongoDB, PostgreSQL, SQL, Oracle
- **Web Development**　**:** Node.js, React, Express.js, Redux, Redis, Bootstrap, HTML, CSS, Tailwind, Firebase
- **CI/CD**　　　　　**:** Heroku, Netlify
- **Tools and Software :** GraphicsMagick, Nodemailer, EmailJS, Google Maps API, Docker