Harshal Vaidya

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SKILLS

- **Programming & Scripting :** C, C++, Java, JavaScript (ES6+), Python, PL/SQL, TypeScript, GraphQL, HTML, CSS, Tailwind
- **Databases and Cloud   :** SQL (MySQL, PostgreSQL), NoSQL (MongoDB), Oracle, Redis, AWS, Docker, Firebase
- **Frameworks & Libraries :** Node.js, React.js, Vue.js, Express.js, Redux
- **Tools and Technologies   :** Git, Agile, CI/CD (Heroku, Netlify), JWT, Responsive Web Design, Nodemailer, EmailJS

EXPERIENCE

Breathing.ai | Software Engineer   Sept 2023 - Present

- Developed core features (personalized color filtering, guided breaks) for browser extension using **React** and **TypeScript,** aimed at promoting user health, resulting in an increase of **1000+** users and contributing to revenue growth
- Led an **8**-person team to develop **React** components, **Tailwind**-based web pages, ensuring seamless integration of Webhooks, Web API and Rook API, enhancing functionality and user experience
- Built backend functionality with **JavaScript** and **Node.js** to enforce subscription-based authorization, restricting access to paid services, resulting in **40%** boost in subscription revenue
- Partnered with UI/UX team to redesign project, leveraging **React** and **Tailwind**, to improve web extension performance through technical enhancements and integration optimizations, leading to a **35%** surge in user engagement
- Integrated backend operations by seamlessly integrating **Stripe** for payments and **Google Analytics** for user behavior tracking, yielding a **10%** increase in successful transactions
- 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

3i-Infotech | Software Engineer   Jun 2017 – Jul 2021

- Maintained optimal performance, managed growing transaction volumes, and achieved a **30%** order volume growth through scalability, deployed order execution system, enhanced **C/C++** code, and **SQL** stored procedures for efficiency
- Developed a subscription-based advisory portfolio service using **PL/SQL**, generating a **24.96%** investment growth, and reducing risks through diversified portfolios and recommended stock allocation
- Analyzed investment data using **Oracle**, enabling precise profit/loss assessments and built **C/C++** agent onboarding module, enhancing support for **3M** customers, assuring efficiency and reliability in financial operations
- Led automation initiative by developing and deploying automated scripts for data extraction, report generation, delivering a **20%** decrease in manual effort and human error
- Achieved a **15%** improvement in user satisfaction metrics by collaborating with stakeholders, business teams to architect and implement designs tailored to meet business needs, optimizing workflows
- Optimized database read and write operations using **SQL** loader, improving trade data report load time from **10** seconds to **6.5** seconds, enhancing system efficiency and performance
- Implemented testing processes, real-time monitoring, and alerting systems for successful feature deployment, reducing support tickets by **12** per month and critical system failures by **50%**, securing continuous system uptime and reliability

PROJECTS

House of Books | JavaScript, React.js, Node.js, MongoDB, Redux, Redis, Heroku, Netlify, Firebase

- Improved page loading time from **0.15ms** to **0.5ms**, reducing load on server by employing **Redis**, integrated **Redux** to limit application complexity and created search functionality for users leveraging **React** components to find specific books
- Set up **Heroku**, **Netlify** to automate, ensure reliable and scalable hosting solutions for application. Automated creation of a profile image for **14+** users by applying **GraphicsMagick** for customizable text, saving it as a PNG file
- Executed **Firebase** for **JWT** based authentication, allowing **14+** users to log in securely, access authorized resources

My Parking Assistant | JavaScript, Node.js, MongoDB, Express.js, HTML, CSS

- Implemented responsive, intuitive user interfaces (UI) using modern front-end technologies like **JavaScript**, **HTML**, **CSS**, 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
Bachelor of Engineering | Major : Information Technology   Aug 2013 - May 2017