

# Harshal Vaidya

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## SKILLS

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

## EXPERIENCE

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### Radiance Technologies LLC | Software Engineer

Jul 2024 - Present

- Built reusable front-end components with **React** and **JavaScript** to enforce subscription-based authorization, increasing monthly subscription revenue by **\$5,000** through improved access control for paid services
- Collaborated with **UI/UX** team on wireframing, prototyping, and redesigning web app using **Figma** and **Tailwind**, enhancing user engagement and increasing active users by **2,000+**
- Managed deployment workflows using **AWS ECS** and **CodePipeline**, reducing deployment time by **20%** while ensuring continuous uptime through **CloudWatch** monitoring and alarms

### Breathing.ai | Software Engineer Intern

Sep 2023 - Jul 2024

- Developed a **React** based application with interactive dashboards using **Chart.js**, promoting user health and wellness, providing insights for **2,000+** active users
- Led the development of reusable internal products using **TypeScript** collaborating with backend engineers, product managers, and UX designers, reducing development time by **30%** for future projects
- Implemented **UI/UX** strategies aligned with **WCAG** Accessibility standards improving usability for **85+** disabled users and resolving three key interaction barriers
- Authored detailed technical documentation for internal **React**-based libraries, enabling **10** new team members to onboard within **2** weeks

### 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** and **API** interactions
- Created a subscription-based advisory portfolio service with **React**, leading to a **\$1.5** million investment growth
- 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
- Achieved **80%** test coverage, reducing production bugs by **50%** through automated Cypress test suites

## PROJECTS

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### Crypto Trading View

Aug 2024

- Developed a **React** and **WebSocket** based platform for real-time cryptocurrency data visualization, integrating Coinbase API and handling **1,000+** trades per second
- Designed interactive visualizations using **Chart.js** to display trends for **50+** cryptocurrency pairs, enabling efficient decision-making for traders

### House of Books

May 2022

- Optimized page loading time from **0.5ms** to **0.15ms** by employing **Redis** caching, minimizing server load, implemented **Redux** to simplify state management and created search functionality for improved book search
- Executed **Firebase** and **JWT** user authentication for seamless storage and data retrieval from **NoSQL** database

## EDUCATION

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### Stevens Institute of Technology, Hoboken, NJ

May 2023

Master of Science in Computer Science

### Vidyanidhi Infotech, Mumbai, India

Feb 2018

Post Graduate Diploma CDAC in Advanced Computing

### University of Mumbai, Mumbai, India

May 2017

Bachelor of Engineering in Information Technology