

Shubhankar Valimbe

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EDUCATION

University at Buffalo

Bachelor of Science in Computer Science

Buffalo, NY, USA

August 2019 – May 2023

TECHNICAL SKILLS

- Languages** : Python, JavaScript, HTML, CSS, TypeScript, SQL, Scala, Solidity, C
- Frameworks and Libraries** : React.js, Node.js, Express.js, Flask, Django, MySQL, PostgreSQL, Vue, Angular, Next.js, MongoDB, SCSS, Gatsby, Bootstrap, Tailwind, Ajax, jQuery, Redux, Websockets, GraphQL
- Dev Tools** : Docker, GitHub, Figma, VS Code, Jupyter Notebooks, IntelliJ IDEA, Google Colab, Repl.it

EXPERIENCE

The Research Foundation for SUNY

Lead Full Stack Engineer

Feb 2023 – Present

Buffalo, NY

- **Led a team of 3 developers** in building **React** components and integrating API endpoints with **Express.js** REST framework, achieving a **20%** reduction in API response times and enhancing user experience.
- Implemented a **MongoDB** database to store logs which led to a **40%** improvement in query performance and employed **SCSS** for CSS preprocessing, improving page loading speed by **15%**.
- Accelerated the development with **agile** methodologies, decreasing the product launch timeline from **7 months to 3.5 months** and set up **CI/CD** pipelines for deployment with **GitHub Actions**, reducing the release cycle by **20%**.

Ace Financial Services

Full Stack Developer

Dec 2021 – Feb 2023

Hybrid – Pune, India

- Developed a **React** component library, reducing the web development process time by **70%** and enabled smooth navigation within the portal through the implementation of **React Router**.
- Enabled real-time financial data updates for a client-management portal through **Flask**-powered **RESTful** endpoints, improving client satisfaction by **65%**.
- Designed **middleware** functions in **Flask** to handle authentication, authorization, and request validation, enhancing the security of sensitive financial data and ensuring controlled access to API endpoints.

Association for Computing Machinery (UB ACM)

Frontend Developer

Aug 2021 – Dec 2021

Buffalo, NY

- Collaborated closely with UI/UX designers to **transform wireframes** and design mockups into polished **React** components. Increased user interaction rate by **32.5%** and average user time spent on the platform by **24%** through the development of efficient DOM manipulation algorithms.
- Maintained a high level of code quality, resulting in a **25% reduction in post-release defects** through rigorous testing and code review practices. Successfully integrated **Redux Toolkit**, centralizing state management and streamlining data flow across the application.

Ace Financial Services

Backend Engineer

May 2020 – May 2021

Hybrid – Pune, India

- Successfully migrated a legacy database to **PostgreSQL** with minimal downtime, ensuring data continuity.
- Reduced slow-running queries by **30%** through performance tuning and query optimization efforts.

PROJECTS

Sorting Visualizer : Deployed a sorting visualizer in JavaScript, HTML & CSS to interactively visualize sorting algorithms.

Quizzer : Designed a quiz app in React and Json-server to help prepare for technical interviews.

Twitter Dashboard : Created a Twitter analytics dashboard with Vue, Flask, and **Twitter API** to visualize key metrics.

Drug Origin Tracer : Launched an Ethereum-based DApp for chain of custody tracing of the medical drug supply chain.

Weather360 : Developed a weather app using JS, React, and Sass, providing real-time weather forecasts.