

Sultan Malik

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SUMMARY

As a Software Engineer, I specialize in full-stack development, leveraging a broad skill set in programming languages and technologies like JavaScript, TypeScript, React, Next.js, and MongoDB to create impactful web applications. Through my internship and projects like City Cares Locator and MoviesRater, I've developed user-focused solutions that prioritize intuitive design and functionality. My Bachelor's in Computer Science from Fordham University underpins my technical expertise and collaborative approach to problem-solving.

SKILLS

Programming Languages: JavaScript (ES6, JSON), TypeScript, C++, Java, Python, SQL, HTML (HTML5), CSS (CSS3)

Technologies and Tools: React, Vite, Next.js, Node.js, Redux, Jest, Bootstrap, Tailwind, Figma

Databases: MongoDB, Supabase, MySQL

Version Control: Git

Development Methodologies: UI/UX, Back-end Development, Front-end Development, Test-Driven Development (TDD), Object Oriented Programming (OOP)

Project Management and Methodologies: Agile Framework

Interpersonal Skills: Communication, Teamwork, Problem-Solving, Attention to Detail

EDUCATION

Fordham University | New York, NY

B.S. in Computer Science

May 2024

PROFESSIONAL EXPERIENCE

Software Engineer Intern | Witness to Mass Incarceration | New York, NY

May 2023 - Present

- Developed an application showcasing businesses owned by formerly incarcerated individuals, enabling users to explore these businesses on a map and to search by specific locations using React, TypeScript, Vite, and the Leaflet API.
- Implemented unit testing using Jest to ensure the reliability and functionality of the application, **achieving a test coverage of 85% for key features.**
- Contributed to responsive design principles, ensuring seamless user experience across various devices and screen sizes. Implemented CSS and media queries to optimize website rendering, **resulting in a 20.6% faster initial load.**

PROJECTS

[City Cares Locator](#)

February 2023

- Developed a full-stack web application that assists individuals with unstable housing in NYC by leveraging React (frontend) and Supabase (backend), resulting in a platform that connects users to over 50 homeless organizations tailored to their specific needs.
- Utilized Supabase API to efficiently fetch real-time data, employing my expertise in API integration and database management, which ensured the app's data on shelters, employment, and other services remained current and reliable.
- Enhanced the overall user experience by creating intuitive platform features such as interactive map visuals, personalized search options, and a collapsible sidebar, which improved navigation and accessibility for users facing housing challenges.

[MoviesRater](#)

January 2023

- Designed and developed MoviesRater, a feature-rich movie rating application, by employing React and RESTful APIs, which provided users with a seamless browsing experience.
- Implemented user-friendly interfaces for browsing, rating, and reviewing movies by leveraging my UI/UX design expertise, enhancing user engagement and interaction significantly.
- Enhanced user engagement by integrating intuitive design elements and interactive functionalities, increasing daily active users and user retention rates.