Saba Shahbaz

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Professional Summary

Motivated **Full-Stack Software Engineer** with hands-on experience designing and developing responsive applications, specializing in JavaScript, Python, React, SQL databases, as well as undergoing **AWS** training. Eager to leverage my **technical**, **design**, and **analytic skills** to contribute to **cross-functional teams** to enhance the benefits and services for business needs.

Technical Skills

Front-End: JavaScript, React.js, Typescript, Tailwind, Bootstrap, CSS

Back-End: Python, Flask, Node.js, Express.js, SQL, NoSQL

Development Tools: Agile Methodology, Figma, Git, Computer Science

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Technical Projects

TastyTracker | [GitHub](#) | [Demo](#)   *Full-Stack calorie and meal tracking application*

Tech: **React.js**, **Python, Flask, SQLite,** USDA Food Central API

Accomplishments:

- Leveraged programming and development experience to plan and execute this new project
- Administered and optimized **SQLite databases**, ensuring efficient data retrieval and storage.
- Engineered custom **RESTful database design** (one-to-many, many-to-many) leveraging external (API) data
- Developed **custom solutions** to enhance application functionality and utilized **Git** for well-organized codebase
- Conducted **rigorous testing**, identifying, and **resolving bugs** and issues to **enhance the overall user experience.**

Thrifty | [GitHub](#) | [Demo](#)   *Full-stack e-commerce application*

Tech: **React.js**, **Node.js, Express.js, MongoDB,** Stripe API

Accomplishments:

- **Independently** executed all stages of the development life cycle in an **organized manner**
- **Expanded technical knowledge** and capabilities by proactively **seeking opportunities to learn** and adapt to new technologies and tools, including NodeJS, and MongoDB
- Possessed deep understanding of **front-end architecture** and technologies to **build responsive user interfaces**
- Comprehensively **documented code**, to ensure effective knowledge transfer

Magical Duel | [GitHub](#) | [Demo](#)   *Interactive 2D Game*

Tech: **Python**

Accomplishments:

- Orchestrated **object-oriented programming** methodologies for code structure and organization
- Demonstrated adaptability in **resolving complex issues**, often thinking **outside the box** to find innovative solutions
- Applied **analytic skills** to implement **dynamic gameplay features** using concise **mathematical functions**
- Designed and developed an initiative user interface with a **graphical user interface (GUI)**

Education

New York Institute of Technology   Old Westbury, NY
Master of Science, Computer Science   January 2024 – May 2025
   -asynchronous, online 30-credit program

Flatiron School   New York, NY
Certificate – Full Stack Software Engineering   June 2023 – September 2023
   - an intense 15-week bootcamp, covering a broad range of **computer science concepts**, **data structures and algorithms,** and **programming languages** including JavaScript, Python, React, Flask, SQL, OOP, APIs, and agile methodology.

Queens College, CUNY   Flushing, NY
Master of Arts, Biological Sciences (completed 24 credits)   January 2021 – December 2022

Binghamton University, SUNY   Binghamton, NY
Bachelor of Science, Biological Sciences   August 2016 – June 2020

Professional Experience

Medical Scribe | StatMD Urgent Care   August 2021 – April 2023

Vice President, Pakistani Student Association at Binghamton University   August 2019 – August 2020

Hobbies/Interest: finance, technology, healthcare, leadership, self-improvement, learning new skills, reading, exercising, cooking