Saira Beg

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Full-Stack Software Developer

A highly motivated Full-Stack Software Developer and Computer Science graduate seeking Software Developer positions to apply my skills in software development, web development, and database management. My expertise lies in various languages, including Java, Python, SQL, HTML, CSS, and JavaScript, as well as frameworks like React and Next.js to make impactful contributions to the tech industry. I thrive in collaborative team environments as well as when working independently, consistently driving product success and operational efficiency.

Software Development | Agile Methodologies & SDLC Framework | Data Structures & Algorithms | Analysis & Communications Skills | Teamwork & Collaboration | Creative Thinking & Problem-Solving Skills

Software Projects

Software Engineer | Angels on Wheels – A non-profit organization   Jan 2023 – May 2023

- Collaborated with a team of developers to design and develop a responsive website for the non-profit organization, Angels on Wheels, using HTML, CSS, PHP, JavaScript, SQL, and GitHub.
- Partnered with stakeholders to develop a volunteer database website for efficient volunteer, event, and campaign management.
- Integrated secure user authentication features to enhance security, privacy, and data protection.
- Enhanced website usability and improved the overall user experience through iterative design and user feedback.
- Participated in regular team stand-up meetings to facilitate the application of Agile software development methodologies; working in 2-week sprint cycles ensuring project completion within established timelines.
- Conducted comprehensive software testing using Jira and created technical documentation to enhance performance and support future maintenance efforts.

Software Developer | E-Commerce Website   Aug 2023 – Sep 2023

- Developed a sample client-side E-Commerce website to showcase HTML, CSS, and JavaScript proficiency to create an interactive and responsive online shopping experience.
- Incorporated best practices in front-end web development and adhered to industry standards to employ modern web development techniques to enhance website functionality.
- Ensured a responsive software design utilizing CSS for visually appealing and optimal user experiences across diverse devices, while applying UX/UI principles to enhance the user journey and increase website accessibility.

Education & Key Coursework

Bachelor of Liberal Studies in Computer Science   Graduated May 2023

University of Mary Washington - Fredericksburg, VA

Key Coursework: Data Structures & Algorithms, Discrete Mathematics, Operating Systems & Programming, Network Principles & Applications, Applications of Databases

Technical Proficiencies & Qualifications

- **Languages:** Java, C, C#, Python 3, SQL, HTML5, CSS (including Tailwind CSS), JavaScript, TypeScript, PHP
- **Tools and Technologies:** Next.js, React.js, Node.js, MongoDB, MySQL, PostgreSQL, Git, GitHub, Linux, Unity, XAMPP, Jira, JUnit, Postman, WordPress, Microsoft Office Suite, Eclipse, Visual Studio Code
- **Skills:** Software Development, Software Development Life Cycle (SDLC), Agile Methodologies, Data Structures and Algorithms, Databases (Relational and Non-Relational), Object-Oriented Programming (OOP), Web Development, Unit Testing, RESTful APIs, Documentation and Technical Writing

Professional Experience

Produce Associate - Publix | **Fredericksburg, VA**   July 2022 – Present
- Collaborated with a team to receive, inspect, and organize shipments while maintaining attention to detail to uphold superior quality of products to meet Publix standards.
- Implemented streamlined inventory stocking strategies and shelving techniques to optimize product organization, resulting in a productivity increase of upwards of 15%.
- Provided customer service while employing creative problem-solving skills and conflict-resolution techniques.

Shift Manager/Supervisor - CVS Health | **Fredericksburg, VA**   July 2015 – July 2022
- Demonstrated strong leadership and effective communication skills in managing and motivating a team of cashiers while overseeing daily store operations.
- Delivered exceptional customer service while employing point-of-sale systems operating the cash register and upholding store maintenance.
- Utilized financial software and data management tools to oversee cash deposits, process invoices, and execute diverse administrative responsibilities.