Saira Beg

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Full-Stack Software Developer

I am a dedicated 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 HTML, CSS, JavaScript, Java, Python, and SQL as well as frameworks like React and Next.js to make impactful contributions to the tech industry. I thrive in collaborative team environments and 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

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, Theory of Computation, Network Principles & Applications, Applications of Databases

Technical Proficiencies & Qualifications

- **Languages:** HTML5, CSS, Tailwind CSS, JavaScript, TypeScript, Java, C, C#, Python 3, PHP, SQL
- **Tools and Technologies:** React.js, Next.js, Node.js, Express.js, MongoDB, MySQL, PostgreSQL, Git, GitHub, Linux, Unity, XAMPP, Jira, JUnit, Postman, Insomnia, WordPress, Microsoft Office Suite, Eclipse, PyCharm, 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

Web Development Intern - 3:5 Creative[s] | Remote   Nov 2023 – Present

- Collaborate in the ongoing maintenance and enhancement of clients' websites, ensuring their seamless functionality and up-to-date features including implementing and creating various API solutions to enhance sales tracking.
- Engage in detailed research on emerging technologies and services, working closely alongside the lead website developer to identify trends, evaluate potential tools, and assess their applicability to ongoing and future projects.
- Continuously explore innovative solutions to optimize website performance and user experience, contributing to the evolution of our clients' digital presence.

Software Engineer - Angels on Wheels | Fredericksburg, VA   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 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.

Produce Associate - Publix | Fredericksburg, VA   July 2022 – Nov 2023
- 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.

Software Projects

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.

Software Developer | AI Prompts CRUD Web App   Sep 2023 – Oct 2023
- Developed a Next.js Full-Stack CRUD application that seamlessly integrates with Google Providers for OAuth authentication, ensuring a secure user authentication process and enhancing the overall user experience.
- Employed a tech stack comprising Next.js, React, TailwindCSS, Typescript, and JavaScript to create a dynamic and responsive user interface. The application enables users to effortlessly create and manage prompts for AI, demonstrating a comprehensive skill set in front-end technologies and design principles.
- Successfully deployed the application on Vercel, showcasing proficiency in configuring and optimizing a production environment. Implemented MongoDB as the backend database to efficiently store and retrieve user-generated prompts, showcasing expertise in full-stack development and database management.

Software Developer | MERN Recipe Web App   Nov 2023 – Dec 2023
- Developed a dynamic React Recipe web application, leveraging front-end technologies such as React and JavaScript, to enable users to seamlessly create accounts, upload personalized recipes, and access a library of existing recipes.
- Implemented a robust communication system between the front-end and MongoDB backend database using API requests, allowing users to efficiently save and retrieve recipes associated with their accounts.
- Utilized Express.js on the backend to create a scalable and responsive server architecture, integrating seamlessly with MongoDB to ensure secure storage and retrieval of user-generated recipes, demonstrating proficiency in full-stack development and database management.