Sophia Momah

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Summary

Software Engineer with experience in full-stack web development and automated testing. Proficient in writing and maintaining high-quality C# code for scalable, high-performance applications, as well as building and managing automated test suites. Key projects have included developing complex web applications and optimizing backend solutions, showcasing strong skills in Agile environments, specifically with Scrum practices. Eager to leverage current skills to further enhance application delivery and performance within dynamic teams.

Skills

Programming Languages: C#, Python, Java, HTML/CSS, JavaScript, C Programming
Frameworks: .Net (ASP.NET/ASP.NET MVC), Kendo, React, Bootstrap
Tools: Git, SQL Server, CI/CD pipelines, MySQL, AWS, Jira, Selenium, Test Complete, QA Complete, Microsoft Office
Development Methodologies: Agile, MVC, TDD (Test-Driven Development), Waterfall
Technologies: API development, Object-oriented design, Web applications, Front end web technologies, Automated testing
Practices: Code reviews, Version control (GIT)

Work Experience

Susquehanna International Group (SIG) LLP   Bala Cynwyd, PA
Software Engineer   Apr 2023 - Jul 2024

- Developed multiple web applications for internal stakeholders using modern web technologies and .Net, focusing on delivering high-performance, scalable solutions.
- Utilized HTML, CSS, Javascript, ASP.NET MVC, and the Kendo UI library for robust design and development of web applications.
- Debugged large complex systems and applications, collaborating closely with team members to ensure high code quality and efficacy.
- Worked with stakeholders to define and refine feature requirements, integrating agile principles to continuously improve products based on user feedback and customer metrics.
- Managed and optimized data storage and retrieval using SQL to support efficient application performance.
- Developed and integrated APIs to facilitate seamless data exchange and enhance application functionality.
- Engineered solutions for archiving electronic communication across multiple platforms, ensuring comprehensive coverage within the firm.
- Created a web application for C-level management to efficiently process and approve tickets, improving organizational productivity.
- Employed GitLab for version control, continuous integration, and code reviews, ensuring streamlined workflows and code consistency.

Amazon LLC   Seattle, WA
Quality Assurance Engineer Intern   Jun 2022 - Sep 2022

- Applied technical acumen to design, implement, and uphold software test plans for the automation of Amazon Music features, with a focus on quality improvement.
- Created and maintained automation scripts, modified test cases, and made configuration changes for continual testing of new feature releases.
- Developed efficient test solutions and simple tools to minimize manual efforts, enhancing feature quality through automation.
- Troubleshot automation issues and isolated bugs, aiding developers in root cause analysis for defect resolution.

Inspire Energy   Philadelphia, PA
Software Engineer Co-op   Mar 2021 - Sep 2021

- Alternated between front-end and back-end roles in the Acquisition Services team delivering applications to stakeholders
- Utilized HTML, CSS, and Javascript on the front end; however, made use of Ruby on the backend
- Used the Agile methodology in day-to-day planning and participated in daily scrum meetings to discuss progress, identify roadblocks, and plan sprint tasks, contributing to enhanced team collaboration and project efficiency.

Susquehanna International Group (SIG) LLP   Bala Cynwyd, PA
Software Development Automated Testing Co-op   Apr 2020 - Jun 2022

- Worked on the Corporate Systems team that focused on building applications used by the stakeholders of the firm.
- Acted as an automated tester alternating between using Selenium and TestComplete to write automated tests.
- Wrote tests in Python for applications made by colleagues on my team and set them to run on a schedule.
- Utilized SQL in working with the database and made use of API calls in testing some programs.

Education

Drexel University

B.S., Computer Science, Software Engineering, Human-Computer Interaction, Technology Innovation Management   Sep 2019 - May 2023

Projects

Full Stack Developer   Sep 2022 - Jun 2023
- Led backend development for a gigapixel annotation application using C#, enabling annotation of high-resolution images.
- Implemented APIs for data exchange between frontend and backend, ensuring top performance for large image processing.
- Utilized AWS services including S3 for scalable image storage and Lambda for serverless computing, improving application scalability and reliability.
- Optimized system architecture to handle large datasets, improving performance for zooming and annotating images.
- Delivered a fully functional application that met all project objectives and demonstrated proficiency for stakeholders.