

Sophia Momah

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Summary

Software Engineer with strong experience in backend development, specializing in scalable and high-performance applications. Proficient in Java and C# with expertise in designing robust systems that optimize data structures and databases for production environments. Proven track record in agile teams, focusing on delivering impactful solutions and enhancing user experiences.

Skills

Programming Languages: Python, C#, Java, HTML/CSS, JavaScript

Frameworks: .Net (ASP.NET/ASP.NET MVC), Kendo, React, Bootstrap

Tools: Git, SQL Server, Figma, CI/CD pipelines, MySQL, AWS, Jira, Selenium, Test Complete, QA Complete

Development Methodologies: Agile (Scrum), MVC, TDD (Test-Driven Development), Waterfall

Technologies: API development, Object-oriented design, Web applications, Front end technologies, Automated testing

Work Experience

Susquehanna International Group (SIG) LLP

Software Engineer

Bala Cynwyd, PA

Jun 2022 - July 2024

- Developed multiple web applications for internal stakeholders using modern web technologies and .Net, focusing on delivering high-performance, scalable solutions.
- Created a web application for management to efficiently process and approve tickets, improving firm productivity by 30%.
- Utilized HTML, CSS, Javascript, MVC, and the Kendo UI library for robust design and development of web applications.
- Debugged large complex systems and applications, collaborating 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 an app for archiving electronic communication across multiple platforms, ensuring full coverage within the firm.
- Used GitLab for version control, continuous integration, and code reviews, ensuring streamlined workflows and code consistency.

Amazon LLC

Quality Assurance Engineer Intern

Seattle, WA

Apr 2022 - Jun 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 changes for testing of new feature releases.
- Developed efficient test solutions and simple tools to minimize manual efforts, enhancing feature quality through automation.
- Troubleshooted automation issues and isolated bugs, aiding developers in root cause analysis for defect resolution.

Inspire Energy

Software Engineer Co-op

Philadelphia, PA

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

Software Development Automated Testing Co-op

Bala Cynwyd, PA

Apr 2020 - Sep 2020

- 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.

CollabArt - Full Stack Developer

Sep 2022 - Jun 2023

- Led backend development for a gigapixel annotation application using Java, 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.

Education

Drexel University, Bachelor of Science

Computer Science, Magna Cum Laude

Software Engineering and HCI Concentration

Philadelphia, PA

2018 - 2022

Minor in Technology Innovation Management