Aresema Workneh

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Education

- Bachelor's degree in computer science -Towson University

Profile Summary:

- 4+ years of software development experience.
- 4+ years of experience in Java, Python, C++
- Proficient in Java, Python, C++, React.js, MongoDB, MySQL, SQLAlchemy, R, Restful API, and Java Swing

Programming Language Skills and Development Environments:

Programming Languages: Java, Python, C++, JavaScript, React, R
Frameworks: Node.js, React.js
Databases: MySQL, MongoDB, SQLAlchemy
Web Technologies: HTML, CSS, SCSS, Bootstrap, Web API, XML, JSON, WebSocket
Version Control: Git
Development Environments: Visual Studio Code, IntelliJ, NetBeans, Sublime
Operating Systems: macOS, Linux, Windows, Unix
Data Science and Machine Learning: NumPy, Pandas, PyTorch, OpenCV
SDLC: Waterfall, Agile (Scrum, Kanban, Lean)

Professional Experience:

Software Engineer

SCB Consulting

Jan 2022 – May 2023

- Developed efficient and scalable code using Java, JavaScript, and Python.
- Conducted thorough testing of software modules to identify and resolve defects.
- Implemented and executed test plans and test cases to ensure software quality.
- Utilized automated testing tools such as Selenium and JUnit for regression testing.
- Documented test results, identified issues, and reported them to the development team.

***Environment*:** Visual Studio code 2017/2019, Angular, HTML, CSS, SCSS, XML, JavaScript, Postman, JSON, Microservices, GitLab, Restful API, Rally

Software Developer

United Construction & Restoration

May 2019 – November 2022

- Integrated back-end functionalities using Java and database technologies.
- Conducted unit testing and assisted in debugging and resolving software issues.
- Participated in code reviews to ensure code quality and adherence to coding standards.
- Assisted in the deployment of software applications to production environments.

***Environment*:** Intellji, GitLab, HTML, CSS, MongoDB, JSON, Web API, PowerShell, Linux, Windows, Unix

Personal Projects:

API Testing Automation
- Developed automated test scripts using Python and requests library to test RESTful APIs.
- Validated API responses and performed data-driven testing for various scenarios.

Nine Men's Morris AI Board Game

- Implemented gameplay logic and decision-making using Java.
- Conducted extensive testing and debugging to ensure optimal game performance.

Java/Swift Sorority Application
- Developed a Java/Swift application to facilitate communication and organization within a sorority.
- Integrated user authentication, event scheduling, and task management features.

Agent-based Model in Python
- Created a Python simulation model to analyze economic behavior of multiple agents.
- Developed functions to simulate agent behavior and analyze simulation results.