Eraste Boko

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EDUCATION

Washington & Jefferson College	Washington, PA
Bachelor of Arts in Computing and Informational Studies, emphasis on Data Science	*Aug. 2023 – May 2027*
LaSalle College	Montreal, Canada
Technical Diploma of College Studies, Computer Science-Software development	*Aug. 2020 – May 2023*

EXPERIENCE

Software Quality Assurance Engineer Intern — May 2023 – August 2023
Integral Agile — *New York, NY*

- Successfully learned Tricentis Testim, a cutting-edge test automation platform.
- Collaborated with the development team to understand software requirements and define the testing scope.
- Developed test plans and strategies to ensure comprehensive test coverage.
- Created test cases and test scripts using Testim. These test cases covered functional, integration, regression, and End-to-End testing scenarios.
- Implemented test validation using JavaScript and XML selectors.
- Executed automated and manual tests using Testim.
- Monitored and analyzed test results to identify defects, track issues, and ensure that the software meets the required quality standards.
- Created and maintained test documentation, including test plans, cases, scripts, and reports.
- Documented and communicated test results, including any issues or concerns discovered during testing.
- Identified and reported software defects using Integral Agile "AgileDezign" platform reporting and issue tracking features.
- Provided detailed information about the bugs, including steps to reproduce, expected behavior, and actual behavior.

PROJECTS

KidsGame | *PHP · JavaScript · SQLite* — KidsGame

- Developed a comprehensive full-stack web application, employing PHP and SQLite for back-end operations, and JavaScript, HTML, and CSS for creating the interactive user interface of the game.
- Created a robust password hashing mechanism that employs PHP password hash() function with Bcrypt algorithm and a cost factor of 12 for enhanced security.
- Used session variables to efficiently track player progressions and manage the current game level.

Property Rental Management | *ASP.NET Core · JavaScript· Bootstrap · Microsoft SQL Server* — Rental

- Developed a full-stack web application using ASP Net Core with Microsoft SQL Server to manage the back-end of the web application as well as HTML, and CSS to build the user interface of the rental application
- Utilized JavaScript alert in conjunction with Bootstrap to display message alert to the user
- Implemented MVC design pattern with ASP.Net Web API routing, authorization, and cookies authentication services allowing only authorized users to access a specific web page

Task-Manager-Application| *Postman API · Swift* — Task-Manager

- Developed an IOS mobile app with the MVC design pattern using Swift
- Interacted with a TaskAPI, a Postman API to manage task creation, assignment, updates, and deletion efficiently and also error handling, invalid credentials, or network issues.

TECHNICAL SKILLS

Languages: Java, Python, PHP, SQL (Postgres, SQLite, Microsoft server), JavaScript, HTML/CSS, Swift
Frameworks: ASP.NET CORE, ADO.Net, Django
Developer Tools: Git, VS Code, Visual Studio, Eclipse, Xcode, Tricentis Testim, Trello
Libraries: Pandas, NumPy, Matplotlib

LEADERSHIP & OTHER AFFILIATION

INT Member · ColorStack · National Society of Black Engineers(NSBE) · Blacks In Technology · National BDPA