

STEPHEN BAZUAYE, MS

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EDUCATION

Towson University – Towson, MD

Master of Science in Applied Information Technology, Concentration in Networking Technologies

August 2022 – December 2024

- Relevant Coursework: Advanced Networking, Cybersecurity, Cloud Computing, Data Structures & Algorithms, Network Security, Information Security, Project Management, Scrum Master
- Case Study Thesis: VPN Usage/Web Traffic During and Post the COVID-19 Pandemic, and its Impact on Current Societal Views of Information Technology Utilization
- Projects: Developed a secure multi-layer network architecture for a mock enterprise, increasing system efficiency by 20% and reducing latency by 15%

University of Maryland – College Park, MD

Bachelor of Science in Information Science, Specialization in Data Science

August 2015 – May 2019

- Relevant Coursework: Data Mining, Machine Learning, Database Design, Information Retrieval, Data Visualization, Building SQL Queries, Java Implementation
- Senior Project: Built a predictive model using Python and R to analyze customer purchasing behavior, improving accuracy by 15% and reducing processing time by 10%

PROFESSIONAL EXPERIENCE

Deloitte – Washington, D.C.

Software Test Engineer (IRS Tax Professional Project) | October 2021 – Present

Security Clearance: Public Trust – ACTIVE (Federal Contractor, with MBI)

- Developed and maintained automated UI tests using Java, JUnit 5, and Selenium WebDriver, Selenium Grid, following the Page Object Model (POM) pattern for structured, maintainable code.
- Built reusable utility methods and base classes used across the team, contributing to a consistent and scalable test framework.
- Worked in a shared codebase with multiple automation engineers, collaborating through Git and GitHub, resolving merge conflicts, and maintaining quality in a busy development environment.
- Supported test coverage across multiple environments, maintaining and executing tests for both development and production-like environments.

- Executed regression and smoke test suites via Jenkins, reviewed daily test results, and reported defects or failures to product testers.
- Partnered closely with manual QA to align on test cases, report bugs, validate fixes, and ensure readiness for each release cycle.
- Maintained agile tasks and test artifacts within IBM CLM (Collaborative Lifecycle Management) and used RQM (Rational Quality Manager) to track test plans, execution records, and results.
- Participated in sprint ceremonies (standups, planning, retrospectives) and provided test status updates to cross-functional teams.
- Reviewed and approved GitHub pull requests from peers to enforce coding standards and ensure functional stability.
- Acted as Scrum Master, facilitating daily stand-ups, sprint planning, and retrospectives, improving team velocity by 20%.

AEGIS.net, Inc. – Rosslyn, VA

Consultant (Automation/Patch Testing) | August 2019 – October 2021

Client: ASRC Federal NetCentric / U.S. Department of State (Secret Clearance – ACTIVE)

- Developed and executed 75+ automated test scripts for Department of State Consular Affairs web applications, improving functional test coverage by 35%.
- Conducted monthly patch testing for Power Builder Apps and web applications, resolving 30+ compatibility issues.
- Managed compatibility testing for Google Chrome, Java/JRE, and Microsoft Office 365 updates, ensuring seamless integration and minimizing downtime.
- Provided detailed reports on patch testing outcomes, system integrity, and performance improvements.
- Developed test plans and offered recommendations to improve system security, data integrity, and user experience.

Capitol Technology University – Laurel, MD

Student Intern | August 2014 – May 2015

- Configured and integrated hardware components for the ICAM (Identity Credential and Access Management) Lab, improving system efficiency by 15%.
- Authored comprehensive user manuals detailing hardware setup, troubleshooting, and maintenance procedures.
- Collaborated with a team of 3 interns to identify and resolve hardware and software issues, improving lab functionality.
- Delivered presentations on lab setup, functionality, and future development plans to faculty and stakeholders.
- Conducted system tests and performance evaluations, providing feedback to enhance overall lab operations.

TECHNICAL SKILLS

****Programming Languages:**** Java (Selenium Web Driver/Selenium Grid), Python, C++, SQL, R, PHP, HTML, CSS

****Testing Tools:**** Eclipse, IBM Rational Functional Tester, RedHat JBOSS, Git/GitHub, Confluence, JIRA, SOAPUI, Jenkins

****Data Analysis & Visualization:**** Tableau, Power BI, Microsoft SQL Server, Oracle, Weka, IBM CLM (Collaborative Lifecycle Management), RQM (Rational Quality Manager)

****Networking & Security:**** TCP/IP, VPN, Firewalls, Network Monitoring, IDS/IPS, SSL/TLS, Load Balancing

****Operating Systems:**** Windows, Linux (RedHat), MacOS

****Other:**** Microsoft Office (Word, Excel, PowerPoint, Outlook), Adobe, SharePoint