

Johnathan Bill

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SKILLS

- **Programming Languages:** VB, C#, Java, TypeScript/JavaScript, Python
- **Frameworks & Tools:** Blazor, Word macro development
- **Web Development:** Web application development, headless solutions, scripting
- **Software Development Practices:** Dependency management, vulnerability detection, design, implementation, Object Oriented Programming,

WORK EXPERIENCE

West Virginia State Legislature

Aug. 2023 – Present

Software Engineer - LASD

Charleston, WV

- Oversee in-house Blazor web applications, VB/C# macros, user experience and, maintenance of current applications.
- Help manage 3 primary in-house Blazor web application and 2 sub-applications used by several groups within the state capital, boosting work efficiency.
- Manage over 200 VB/C# Word macros used by the state legislature, reducing human error and improving efficiency and accuracy.
- Coordinated with IT teams to ensure systems across the capital are properly transmitting files and data, maintaining accuracy.
- Improved macro efficiency by modifying them to work with PDFs as a headless solution, increasing efficiency by 35%.

West Virginia University

Sep. 2020 – May 2023

Tutor & Programming Lab Aid

Beckley, WV

- Tutored 10-20 students in programming twice a week during designated times, enhancing their understanding of core concepts and improving their coding skills.
- Assisted professors in managing programming lab sessions and provided support to students, helping them troubleshoot code and understand programming concepts.
- Developed tailored tutoring sessions to help students struggling with core programming concepts, resulting in a 5% improvement in test scores.

TC Energy

May 2022 – Aug. 2022

Application Developer - Intern

Charleston, WV

- Assisted in resolving user-submitted tickets to ensure the proper functionality and efficiency of existing programs.
- Collaborated with other interns to design, develop, and manage an Angular and TypeScript web application for tracking software tickets and managing dependencies.
- Developed a Python script to detect dependencies with known vulnerabilities and automatically email application managers with the information, improving vulnerability management and response times.

EDUCATION

West Virginia University Institute of Technology

May 2023

Bachelor of Science, Information Systems

Beckley, WV

- Graduated *cum laude* with a GPA of 3.53/4.0 and a minor in Computer Science
- Vice Chair of the WVU Institute of Technology (WVU Tech) Chapter of the Association of Computing Machinery (ACM)
- Organized the largest student-run event on campus, boosting WVU Tech ACM's membership.