

# Johnathan Bill

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## SKILLS

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- **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

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### 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 that 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

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### 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.