

Jacob D. Shultz

Software Engineer

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EDUCATION

University of Pittsburgh-Johnstown

Bachelor of Science in Computer Science (Standard)

Johnstown, Pennsylvania

Expected Graduation, May 2027

EXPERIENCE

Drive DeVilbiss Healthcare

Software Engineering Intern II

Software Engineering Intern

Somerset, Pennsylvania

May 2026 – Present

May 2025 – August 2025

- Developed the log backup service: a .NET Windows Background Service which runs on each production-line PC and uploads logs to a central location. Created Logquel, a light-weight SQL-like querying language used to query file directories, to go along with the log backup service.
- Built the Unified Sound Tester: a .NET application that consolidated three separate production-line sound testers into one system, reducing redundancy and enhancing operator experience.
- Integrate with the company's existing codebase and SQL database systems; author documentation per internal standards. Provide programming support for various other internal tools.

GapVax

Engineering Intern

Johnstown, Pennsylvania

June 2024 – January 2025

- Designed and implemented a tool to optimize the owner's manual creation process for GapVax trucks, greatly improving efficiency. Contributed programming support for the company's Enterprise Resource Planning (ERP) software.

PROJECTS

Helpdesk Shift at Blackington

March 2026 – April 2026

- Created an in-browser game starring our professors served by a Node.js back-end. The server written in TypeScript connects to MongoDB, providing user accounts, JWT-based authentication and authorization, and a REST HTTP API.

My Website

April 2026 – Present

- Built a fully custom portfolio/blog website using Next.js and React. The site parses markdown files and dynamically displays their content. The solution is fully containerized with automated builds and deployments by GitHub Actions.

Camera Cluster

May 2026 – Present

- Designing a Raspberry Pi cluster on a managed VLAN with Ansible-based provisioning and a web dashboard for per-node status monitoring. Part of a Directed Study with Dr. Stephan Ohl of Pitt-Johnstown.

ACTIVITIES & AWARDS

Computer Science Club (Pitt-Johnstown)

President

Johnstown, Pennsylvania

January 2026 – Present

- Led the club through the most complex time in its history with tough SGA rules, a membership crisis, and University-wide budget restrictions. Pushed an ideology of hands-on activities, lowering the cost of events.

Boy Scouts of America

Eagle Scout

Somerset, Pennsylvania

June 2022

- Earned Eagle rank; served as Senior Patrol Leader, Troop 152. Built four lakeside benches for Laurel Ridge Sportsman's Club.

Calvary Church of Somerset

Technologist

Somerset, Pennsylvania

April 2018 – Present

- Maintain audio, networking, telephone, and IP camera systems for a two-century-old church. Built and configured workstations and wireless access points, administered phone and camera servers, and operate the live sound system for weekly services.

SKILLS

Programming: C#, TypeScript, Python, JavaScript, Rust, Java, C++, SQL, HTML, CSS, Visual Basic

Tooling: .NET, React.js, Microsoft SQL Server, Git, GitHub, Docker, Node.js, MongoDB, Linux (Debian), Next.js