

Solomon Huckstep

Software Developer (C# / .NET)

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SUMMARY

Self-taught C# / .NET developer who builds production software people use every day. At Hachette Book Group I built the tools that ran daily label printing and pick release operations, and learned Sybase ASE and PowerBuilder working alongside the team's senior developer. Comfortable owning a problem end to end: finding it, designing the fix, and shipping it. Looking for a developer role in the Indianapolis area.

PROJECTS

PrintSpooler · github.com/huckstep/PrintSpooler

Jul 2026 to Present

- Built a printer-agnostic print spooler: REST API plus Blazor Server dashboard that queues jobs, delivers them to network printers over IPP, and pushes live status via SignalR.
- Designed per-printer monitors managed by a printer manager, each with its own cancellation token, so one stalled printer never blocks the others; printers are discovered over mDNS and picked up at runtime.
- Built crash recovery: on restart, unfinished jobs are re-checked against the printer and marked failed if completion can't be confirmed, rather than guessed.
- Layered architecture (Core, Infrastructure, Api, Web) with ASP.NET Core, EF Core, SignalR, Blazor Server, and ErrorOr, backed by Azure SQL. Verified end to end against a physical printer.

EXPERIENCE

Print Operator / Software Developer · Hachette Book Group, Lebanon IN

Oct 2022 to Jul 2026

- Built ReleaseProcessor, a C# app that replaced a single-file PowerShell script for pick release. Distributes jobs across five BarTender instances, tracks each file's state with folder watchers, retries failures and rolls back cleanly if cancelled mid-run, and posts a completion summary to Teams. Used daily in production.
- Built PrintFlow, a dependency-free PowerShell TUI for label print operations (queue, transform, monitor, reprint, audit, lookup), with hand-built input handling, input sanitization, and plain-language error messages telling operators what went wrong and why. Used daily in production.
- Built a prototype label generator rendering about 1,500 labels per second via PCL, sent directly to printers over raw TCP (port 9100), with cached pre-rendered elements and text positioned on a normalized 0 to 100 scale. Rewrote it from PowerShell to C#, roughly doubling throughput.
- Wrote SQL reports and worked on production stored procedures in Sybase ASE and PowerBuilder under the team's senior developer.
- Ran daily print operations, up to about 10,000 labels a day, and became a go-to resource on BarTender operations and label file structure.

Restaurant Server · The Friendly Tavern, Zionsville IN

May 2021 to Sep 2022

EDUCATION

Full Stack Web Development Certificate · Butler University Executive Education

Aug 2022 to Feb 2023

Music Technology · IUPUI

2018 to 2020

SKILLS

Languages & Platforms: C#, .NET, ASP.NET Core, SQL Server, Azure SQL, Sybase ASE, PowerShell, PowerBuilder

Tools & Frameworks: EF Core, Blazor, SignalR, REST APIs, ErrorOr, Spectre.Console, ZXing, Git

Printing: IPP, PCL, BarTender