

# Taylor Howell

Full Stack Software Developer

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## About

I write software that starts with people and works backwards to the technology. My best work happens when I'm close enough to the challenge to understand what's really driving the need and trusted enough to design around that.

## Work Experience

### Founder & Technical Lead - Hard Hat Legends

Jan 2025 - Feb 2026

#### Blue Foundation Software LLC.

- Independently identified that construction safety failures are primarily a culture problem, not a compliance problem - and designed the application concept and mechanics around that thesis.
- Iterated through multiple product concepts and tech stacks - including React Native and Unity - before landing on a React and Elixir solution that drove results, then brought that concept to working pilot in under 6 months.
- Drove an average 20-point improvement in compliance assessment scores (0-100 scale) among commercial drivers - with individual gains as high as 60 points - results previously unseen in the compliance training space.
- Interface praised by a C-suite stakeholder as intuitive and easy to use during independent evaluation.

### Contractor / Consultant

Jun 2025 - Present

#### Wyngate Solutions

- Developing and maintaining React applications for a top-50 U.S. law firm, translating complex legal workflow requirements into functional interfaces tracking tens of thousands of active legal matters for household-name brands.
- Collaborating on the design and implementation of an Azure AI document analysis pipeline to assist attorneys in reviewing and analyzing unstructured documents.
- Engineering SQL and PowerShell data migration tooling that imported tens of millions of dollars in financial assets into a legacy system in roughly 3 months - a process previously estimated at over a year and several million dollars.

### Application Developer

Jan 2024 - Jun 2025

#### Kansas Department of Revenue

- Collaborated with other developers to implement software projects, troubleshoot bugs, and add new features according to specifications.
- Identified a security vulnerability stemming from ineffective architecture design and led remediation efforts.
- Designed automation tools using F# and C# to lex, parse, analyze ancient projects, and generate boilerplate code.
- Built batch jobs, and websites to access 3rd party REST APIs and compute state vehicle property tax.

## **Associate Designer / Full Stack Developer**

Aug 2019 – Dec 2023

### JR&Co General Contractors

- Built task automation tools and apps to boost business productivity and communication on a \$20/month infrastructure budget.
- Developed a crew scheduling application tracking 300+ in-house employees and subcontractors.
- Collaborated with users and negotiated specifications, translating user requirements into features with measurable adoption.
- Designed purchase order software and inventory SOPs to reduce accounting mistakes and fraud.

## Education

### **Kansas State University**

Graduated 2023

Bachelor of Science Computer Science

## Awards

### **American Veterans Air Force ROTC Recognition Award**

- Awarded for leadership, teamwork, and exceeding high standards.

### **2nd Place - Kansas State University Hackathon**

- Designed software architecture for machine learning AI agents in 3D simulated environments using Unity and C#.