

# Ethan Passino

## Software Engineer

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## SUMMARY

- Software Engineer with strong experience building scalable, efficient applications across both frontend and backend systems.
- Skilled in designing clean system architectures and writing performant code using JavaScript, C#, Java, Python, and SQL.
- Experienced in Agile environments, collaborating in teams to deliver tested, maintainable features using Git, Jira, and CI/CD workflows.
- Committed to writing robust code and improving software performance, maintainability, and user experience.
- Proven success leading development of real-world projects from planning to production.

## TECHNICAL SKILLS

- **Languages:** JavaScript • TypeScript • C# • Java • Python • SQL • HTML • CSS
- **Frameworks & Libraries:** .NET • React • Node.js • Express • Tailwind CSS • LiveCharts
- **Databases:** PostgreSQL • MongoDB • SQL Server • MySQL • SQLite
- **Tools & DevOps:** Git • Docker • Jira • CI/CD • Agile/Scrum • Linux
- **Testing & Other:** Jest • Discord.js • REST APIs • WebSockets

## WORK EXPERIENCE Software Engineer Intern — Juvare, Fort Wayne, IN

May 2025 – Present

- Contributed to backend and full-stack features supporting emergency management platforms using TypeScript and React.
- Collaborated in a two-person dev team to build a robust internal tool for configuration management.
- Participated in daily scrums and sprint planning sessions using Jira.
- Improved system efficiency by streamlining configuration processes with a web-based solution.

## Shift Leader — Pizza Hut, Fort Wayne, IN

May 2022 – Present

- Supervised up to 15 staff per shift; reduced labor costs by 5–10% by optimizing shift schedules.
- Ensured consistent customer satisfaction and helped onboard new hires.

## PROJECT EXPERIENCE

### Rewinder Scheduling System – Optimization Tool (Capstone Project)

2024 – 2025

- Led design and implementation of a C++ desktop application to optimize scheduling for batch trimming in a manufacturing process.
- Designed custom scheduling algorithms to reduce manual effort and improve efficiency across variable roll sizes.
- Built GUI with wxWidgets for visual roll arrangement and incorporated real-time error feedback.
- Reduced time required to generate production schedules, positively impacting labor efficiency on the factory floor.

### **Personal Finance Desktop App**

*2024 – Present*

- Designed and built a WPF application in C#/.NET with SQLite backend for tracking budgets and financial goals.
- Implemented CRUD operations and visual analytics using LiveCharts.
- Helped users reduce overspending by 20% on average based on personal use reports.

### **TaskFlow – Project Management App**

*2024 – 2025*

- Co-led a 2-person team to develop a full-stack Kanban app using Node.js, MongoDB, and React.
- Implemented secure user workflows, real-time task editing, and backend services.
- Improved team task clarity by 40% in internal usage trials.

**EDUCATION Purdue University Fort Wayne** — Fort Wayne, IN Bachelor of Science in Computer Science  
GPA: 3.45