

Software engineer and product leader with 7+ years of experience developing and improving complex software.

## WORK EXPERIENCE

### Independent Software Developer

Feb. 2025 - Present

- Developing an ERP web application for the cottage-kitchen industry. Designed for small, revenue-capped businesses priced out by most F&B software. Built on Symfony/PostgreSQL with FastAPI microservices enabling OCR vendor invoice processing, recipe costing, inventory management, and accounting workflows.
- Freelance web development: Custom event sites, artist portfolios, and CMS implementations for clients.

### Bizowie

Aug. 2020 – Feb. 2025

*Product Manager / Software Engineer*

Pittsburgh, PA

Technical and product leader for an ERP platform serving mid-market distributors and manufacturers. Partnered with founder to scale a growth stage company, owning product vision, implementations, and engineering operations.

- Led implementation projects for strategic accounts. Gathered requirements with client SMEs and third-party partners, worked with engineering to assess the technical feasibility of new functionality and integrations.
- Partnered with client leadership to establish trust, advise on process automation, and guide change management during implementations.
- Defined and prioritized our product roadmap by analyzing customer support trends, sales objectives, external requirements, application errors, and performance metrics.
- Expanded and standardized REST API to enable power-users to automate and build custom workflows; implemented response caching, data validation, and documentation that supported client self-service integrations.
- Introduced automated testing (Selenium, Test::More) that reduced long, variable lead times for issue discovery to overnight, often before submission for many common and critical errors.
- Managed the regular execution of our product development processes, wrote code and standards, reviewed code, provided support and mentorship to our engineering and customer support teams.

### Grant Street Group

May 2017 – Apr. 2020

*Product Owner / ETL Specialist*

Pittsburgh, PA

- Led remote Agile teams building cashiering, billing, and accounting systems for government clients.
- Implemented automated test suites for core financial components and user interfaces with Postman and Selenium.
- Developed internal tools to analyze activity logs and application data, documentation on how to leverage this data, and generally advocated for data-driven decision making and prioritization of development efforts.
- Built ETL pipelines for historical tax roll and property data to onboard clients. Resolved complex data-integrity issues across disconnected legacy systems.

### University of Pittsburgh

Jan 2015 – Dec 2016

*Student Researcher - High Energy Physics*

Pittsburgh, PA

- Researched the application of neural networks for fast signal detection in high-energy physics data.
- Developed physics analysis modules using C++ and data management tools to optimize the team's analysis workflow.

## EDUCATION

### University of Pittsburgh

April, 2017

- BS in Physics and History & Philosophy of Science

## ADDITIONAL SKILLS & INTERESTS

- Languages (Frameworks):** PHP (Symfony), Python (Django, FastAPI), Perl, JS/TypeScript (React), HTML/CSS
- Data & Infrastructure:** PostgreSQL, MySQL, Redis | AWS, Unix/Linux system administration
- Workflow Tools:** Git, NPM, Docker, Selenium, CI/CD pipelines | Jira, Trello, Basecamp
- Interests:** Coffee; etymology; phenomenology; poetry; music; history; running; rock climbing; the great outdoors