

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