

Windsor, Pa
www.linkedin.com/in/alayna-lusky
Alaynalusky.tech
alayna.lusky@outlook.com

Alayna Lusky

SUMMARY

Software Engineer with 8+ years of experience designing and modernizing scalable backend systems, APIs, and automation platforms. Proven ability to reverse engineer complex legacy applications, rebuild mission critical workflows, and deliver maintainable, high volume solutions aligned with business goals. Experienced in Laravel, PHP, cloud-based messaging workflows, distributed integrations, and API-driven architecture. Adept at translating undocumented business logic into reliable modern systems while improving operational efficiency and long-term scalability.

SKILLS

Languages & Frameworks:

PHP, Python, Laravel, React, Angular, HTML/CSS, Visual Basic, TypeScript, Powershell, Tailwind, C++, C#

Backend & Architecture:

REST APIs, GraphQL APIs, Event-Driven Architecture, Message Queue Architecture, Asynchronous Processing, Enterprise Systems Integration, Workflow Automation, SOAP/XML Integrations, Legacy System Modernization

Cloud & Infrastructure:

AWS, AWS SQS, VMware, Linux, Virtualized Environments

Databases & Integrations:

MySQL, SQL Server, PostgreSQL, Shopify, WooCommerce, ShipStation, Third-Party API Integrations, WMS, ePace, Pageflex

Development Tools & Technologies:

Git, Bitbucket, Jira, Confluence, Agile/Scrum, Docker

AI-Assisted Development:

ChatGPT, GitHub Copilot, Gemini, AI-assisted development workflows

EXPERIENCE

YGS Group, York, Pa– *Software Developer*

October 2024 – December 2025

- Rebuilt a mission-critical legacy order processing platform (VB6 applications + C# APIs) into a modern Laravel-based automation system supporting scalable, high volume business operations.
- Engineered resilient background processing architecture using AWS SQS messaging for automated order synchronization, retry handling, and highly reliable integration workflows.
- Reverse-engineered undocumented legacy systems to uncover hidden business rules, flawed workflows, and processing bottlenecks that contributed to shipment errors, operational delays, and unnecessary business costs.
- Redesigned and modernized core order processing logic, helping reduce costly fulfillment issues and improve operational efficiency, saving the company tens of thousands of dollars in preventable processing and shipment errors.
- Designed scalable API-driven backend architecture to replace tightly coupled legacy integrations and improve long-term maintainability.
- Modernized monolithic business workflows into modular service oriented backend systems.
- Implemented asynchronous order processing pipelines to improve system reliability, scalability, and integration performance.
- Validated system accuracy through side-by-side comparisons with legacy outputs, ensuring zero business logic regression during migration.
- Authored technical documentation covering system architecture, integration workflows, and modernization efforts to support long-term ownership and scalability.
- Collaborated across cross-functional Agile teams to rapidly deliver production-ready enhancements and enterprise automation solutions.

Jay Group, Lancaster, Pa– *Software Engineer*

October 2018 – January 2024

- Progressed from Web Developer to Senior Web Developer to Software Engineer during 6 years with the company.
- Developed and maintained RESTful and GraphQL APIs supporting e-commerce, warehouse management, and fulfillment operations.
- Integrated third-party e-commerce and shipping platforms with SQL databases and WMS systems to streamline order and inventory workflows.
- Built internal and client facing web applications used by account managers and operational teams.
- Supported scalable backend systems and automation processes for high volume fulfillment environments.
- Maintained technical documentation and development workflows using Confluence, Jira, and Bitbucket.
- Participated in Agile/Scrum development cycles, collaborating across technical and business teams to deliver production solutions.

Footlocker, Camp Hill, Pa– *Software Support Specialist*

June 2018 – October 2018

- Supported retail POS systems for global store operations through advanced software and infrastructure troubleshooting.
- Provisioned and maintained VMware-based virtualized environments, including snapshot management, deployment support, and system recovery operations.
- Remotely configured and deployed POS hardware and software solutions for worldwide retail locations.
- Provided Tier 3 technical support for enterprise retail software and infrastructure environments.

EDUCATION

Central Penn College, Summerdale, Pa– *Bachelor of Science*

March 2014– May 2018

Graduated Summa Cum Laude

GPA 3.9

Military Service

US Army Military Police, 443rd MP Co.

2006-2010

Squad leader

- Led and coordinated a small team in high-pressure training environments requiring accountability, rapid decision making, and strong communication.