

# Alexander Hunt

Software Engineer

Hatfield, PA | Cell: 2678443867 | [alexhunt215@gmail.com](mailto:alexhunt215@gmail.com) | [LinkedIn](#) | [Portfolio](#)

## EDUCATION

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### APP ACADEMY

*Certification* Immersive full-stack software development boot camp with a 3% acceptance rate.

New York, NY

Mar 2022 - Mar 2023

### THE PENNSYLVANIA STATE UNIVERSITY

*Bachelor of Science in Life Science*

University Park, PA

Sep 2007 - Dec 2011

## SKILLS

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Skills: CSS, HTML, JavaScript, TypeScript, Python, React, Redux, Node.js, Express.js, Flask, Git, RESTful API, SQL, MongoDB, JSON, Software Development Life Cycle, Agile Methodology, and AWS S3, Project Management, LIMS.

## PROJECTS

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### DEVELOP ME (JavaScript, HTML, Tailwind CSS, React, Redux, Express, PostgreSQL)

[Live Site](#) | [GitHub](#)

Mentorship platform for developers

- Enhanced system stability and user experience by implementing a new error logging system in the Express backend components, resulting in a 30% reduction in application downtime
- A 30% improvement of the chatbot functionality by engineering RESTful API endpoints for seamless communication with OpenAI's NLP API, enabling automatic language processing
- Strengthened security measures by implementing CSRF token validation logic, protecting against unauthorized actions

### NINJA VILLAGE (JavaScript, HTML, Tailwind CSS, React, Redux, Python, Flask, PostgreSQL, AWS S3)

[Live Site](#) | [GitHub](#)

E-commerce platform offering a diverse range of products for online shopping

- Revamped and optimized Flask routes and functions to handle wish list management, including creating, editing, and deleting products; saved 3 hours of allocated development timeframe
- Optimized performance of the shopping cart feature by implementing a local storage strategy in conjunction with Redux, resulting in a 50% decrease in backend API fetches

## EXPERIENCE

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### MERCK & CO.

Technical Product Manager

West Point, PA

Aug 2023 – Present

- Developed SQL queries for generating customer reports and tracking pharmaceutical testing metrics.
- Spearheaded the transition of testing processes from paper-based to LIMS (Laboratory Information Management System) based objects.
- Oversaw the deployment of over 2000+ testing products to the LIMS platform, ensuring scalability and efficiency.
- Collaborated closely with product owners to translate business requirements into technical specifications.

### MERCK & CO.

Software Quality Assurance Engineer

West Point, PA

Mar 2017 – Aug 2023

- Successfully established a deviation reporting process, resulting in a 20% reduction in occurrences within the first year through metric-driven root cause analysis and corrective action workflows.
- As a key contributor, played an integral role in developing and digitizing paper-based laboratory testing processes for over 2,000 products into the Laboratory Information Management System (LIMS).

### ALCAMI

Validation Engineer

Hatfield, PA

Nov 2015 – Mar 2017

- Authored, reviewed, and executed over 60 robust automated system protocols, resulting in a 15% reduction in system failure rates across laboratory and manufacturing sites.
- Optimized the system validation process, achieving a 25% reduction in validation time through the strategic implementation of automated validation activities.