

Jonathan Lopez

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Portfolio: jonaaio.com

PROFESSIONAL SUMMARY:

Software Developer with a B.S. in Computer Science and hands-on experience building automation tools, full-stack applications, and real-time data systems. Skilled in Python, JavaScript, and API integrations with a strong focus on scalable solutions, clean architecture, and performance optimization.

PROJECTS

Automation & Reselling Platform (Python, Discord, APIs)

- Engineered a real-time Discord bot using Python (`discord.py`) for webhook ingestion and real-time event processing
- Integrated eBay API to calculate average sale prices and automate pricing insights
- Designed a scalable alert system used by 200+ active users
- Improved decision-making speed by delivering real-time market data to 200+ users

Inventory Management Desktop App (Electron + SQLite)

- Developed a cross-platform desktop application using Electron and SQLite with desktop application architecture principles
- Implemented inventory tracking, profit analytics, and SKU-based stock management
- Designed modular architecture for future API integrations (StockX, TCGPlayer)
- Built a clean UI with real-time updates and persistent local storage using SQLite

Stock & Crypto Monitoring System (Python, APIs)

- Built a real-time monitoring system in Python using financial APIs with continuous data processing and alert automation
 - Implemented automated alerting via Discord webhooks based on price thresholds
 - Designed for continuous runtime with efficient API polling and error handling
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TECHNICAL SKILLS

Languages: Python, JavaScript, C#

Frameworks/Tools: Node.js, Electron, Discord.js, Git

Databases: SQLite, SQL

APIs: REST APIs, Webhooks, eBay API, OpenAI API

Concepts: Automation, System Design, Debugging, Data Processing

PROFESSIONAL EXPERIENCE

Home Depot, Head Cashier

Ontario, CA | 3/2022 – Present

- Led operations for a 20+ employee team in a high-volume retail environment, optimizing checkout and fulfillment workflows
- Improved workflow coordination between departments, reducing delays in order processing
- Managed daily transactions exceeding \$100K+, maintaining accuracy and accountability

Jona Resells, *Founder & Market Analyst*

Ontario, CA | 1/2020 – Present

- Built and scaled a reselling business using data-driven pricing strategies
 - Analyzed product trends and optimized inventory decisions using market data
 - Increased revenue by 300% through automation and targeted listings
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EDUCATION

California State University, San Bernardino

Bachelor of Science, Computer Science

Graduated: May 2025
