Software Engineer

**Esther Stein** - **US & IL Citizenship**

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**Summary**

* **3 years of experience** as a **Software Application Engineer**.
* **B.Sc. in Computer Science,** Graduated **Magna Cum Laude, Dean’s List**
* Skilled in **Python, Java, C++, C#, SQL, Perl**, and **Informix 4GL**, with hands-on experience in both **modern** and **legacy systems**
* Skilled in writing and optimizing complex **SQL queries** for efficient data handling and system performance
* Experienced with **Unix/Linux** and **Windows** environments, **REST API** development, and **Git**
* Strong foundations in **OOP**, algorithms, **data structures**, and **system design**

**Experience**

2022 - 2024 **Software Application Engineer**, B&H

* **Developed** clean, maintainable, and well-documented code across multiple components.
* Identified **performance bottlenecks** and **resolved bugs** to improve system stability and efficiency.
* **Troubleshooted** and resolved technical issues, ensuring seamless operation of **software integrations**.
* Enhanced in-house warehouse management software by **adding features** that enabled shipping of new product categories in compliance with regulations.
* **Diagnosed** and **resolved software bugs**, reducing order delays during packaging and shipping, and minimizing the need for manual intervention.
* Wrote and optimized **complex SQL queries** to ensure accurate and efficient database operations.
* **Collaborated** with **project owners** and **end users** to clarify requirements and deliver solutions that effectively met business needs.
* **Investigated** and **fixed root-cause issues** that had been generating recurring **bug reports**.
* Quickly ramped up on unfamiliar parts of a large, **complex codebase.**
* Worked with **legacy technologies**, including **Perl** and **Informix 4GL**, to maintain and extend existing systems.

2021 - Present **Educator & Open Source Developer,** Python Discord Community

* Contributed **features** and resolved bugs in open-source software supporting moderation tools and community functionality.
* Educated users on programming fundamentals, primarily using **Python**.
* Assisted beginner programmers with **debugging, troubleshooting**, and answering technical questions to support their learning process.

**Education**

2019 - 2024  **Bachelor of Science in Computer Science**, Touro University

* Minor in Mathematics, Graduated Magna Cum Laude, Dean’s List
* Among the courses: **OOP, Data Structures** and **Algorithms, Unix Operating Systems**

**Technological Skills**

Programming Languages: **Python, SQL, Java, C++, C#, Perl, Informix 4GL**

OS, Web & API Technologies: **Unix/Linux, Windows, REST APIs**

Database Technologies & Version Control: Relational Databases **(Informix), Git**

Core Concepts: **OOP, Data Structures and Algorithms, Legacy System Maintenance & Modernization**

**Languages** **& Citizenships**

**English** – Native Speaker I **Hebrew** – Conversational

**US & IL Citizenship**