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**Hiring Manager**

*Automation Programmer Position*

June 12, 2026

Dear Hiring Manager,

I am writing to express my strong interest in the Automation Programmer position. With over 15 years of experience engineering secure, mission-critical monitoring systems, and currently pursuing a Master's degree in Computer Science with a focus on algorithms and software verification, I bring a robust technical foundation that aligns directly with the goals of developing and maintaining high-reliability SCADA applications.

While my background is rooted in enterprise and defense-sector software architecture rather than traditional industrial PLCs, the core engineering challenges are remarkably similar. Throughout my career, I have specialized in creating operational dashboards and graphical interfaces that monitor critical infrastructure. For example, as a Lead Developer at Computer Sciences Corporation (CSC), I engineered system health dashboards for the Department of Defense monitoring highly sensitive national deployments. This experience directly translates to designing and configuring HMI graphics and SCADA screens to visually represent real-time data and process statuses.

Furthermore, my tenure as a Database Developer at Fisher Investments involved automating the extraction, transformation, and optimization of massive datasets into SQL Server databases using stored procedures and SSIS/SSRS pipelines. This aligns perfectly with your requirement to automate time-series data extraction from Historian systems into SQL Server for operational analysis.

Finally, my current Master's coursework emphasizes Software Verification and Validation, equipping me with modern, rigorous testing strategies to ensure cybersecurity best practices and system reliability during Factory Acceptance Testing (FAT) and commissioning phases. I am eager to apply my expertise in C/C++, object-oriented programming, and system integration to learn your specific PLC environments quickly and deliver high-quality automation software solutions.

Thank you for considering my application. I would welcome the opportunity to discuss how my background in secure systems architecture and data automation can add immediate value to your SCADA and control systems projects.

Sincerely,

**Scott Weeden**

*Attached: Resume*