Dylan Molnar

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-PROFESSIONAL EXPERIENCE-

Pfizer/iPura | Automation Engineer   Sep 2022 - Present

MCS System Upgrade - Suite (x5) & Utilities Group (x2):
- Upgraded the Suite MCS automated control systems and PLC infrastructure
- Create SCADA screens: process screens, reusable & custom control modules, engineering screens, alarming, management, etc…
- Setup SCADA tags, reports, alarm handling, historian, and SQL
- Upgraded Rockwell PLCs from PLC-5 to ControlLogix
- Drove a significant decrease in failure rate for product batches

New Ultra Filtration Skids (x4), Poly Depth Filter Skids (x2), CIP (x2), & Microfiltration Skid:
- Develop and set up fully automated new skids
- Develop and update SCADA screens including process screens, control modules, etc…
- Setup SCADA tags, reports, alarm handling, historian, and SQL
- Provided experience and support for PLC integration

Plant Alarm Response Upgrade:
- Site-wide upgrade to alarm response handling
- Standardized alarm acknowledgement and responses based on priority and impact
- Drove a dramatic improvement in alarm handling and flow of responsibility

-CLIENT PROJECTS-

Retail Smart | Software Engineer | r-iq.net   Mar 2023 - Dec 2024
- Designed and maintained the web platform and mobile app to connect wholesale vendors and retailers and allow them to easily communicate and coordinate sales

Automated Moderation Service | Software Software Engineer   Nov 2017 - Apr 2021
- Designed and maintained a NodeJS application that provided moderation, user features, and other custom services for communities on Discord spanning over 50,000 users

-SKILLS-

Industrial Automation: SCADA, GE iFIX, PLC, SQL, Rockwell, Logix Designer, Python, ControlLogix, PLC-5, FactoryTalk, Oracle, OPC, OSI PI, Dream Report, Validation, GMP
Software Engineering: Typescript, Javascript, Python, HTML5, CSS, Node.js, React, Next.js, Vite, JSON, SQL, Git, Firebase, Rest API, Web Scraping, PHP

-EDUCATION-

Bachelors of Science in Chemical Engineering, *University of Massachusetts Amherst*   May 2022
Minor in Chemistry, *University of Massachusetts Amherst*