

Dylan Molnar

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>PROFESSIONAL EXPERIENCE

Pfizer/iPura | Automation Engineer | Andover, MA

Sep 2022 - Present

MCS System Upgrade - Suite (x5) & Utilities Group (x2):

- Upgraded the Suite MCS automated control systems and PLC infrastructure
- Refresh SCADA screens: process screens, reusable & custom control modules, engineering screens, reports, alarming, 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, batching, etc...
- Setup SCADA tags, reports, alarm handling, historian, and SQL
- Provided experience and support for PLC integration
- Provided automation support for FAT/SAT tests

Plant Alarm Response Upgrade:

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

>FREELANCE EXPERIENCE

Retail Smart | Software Developer | Boston, MA

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 Developer

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

Automation Engineer: SCADA, GE iFIX, PLC, SQL, Rockwell, Logix Designer, Python, ControlLogix, PLC-5, FactoryTalk, Oracle, OPC, OSI PI, Dream Report, Validation, GMP

Software Developer: 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 Mar 2022
Minor in Chemistry, University of Massachusetts Amherst