Dylan Molnar

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Portfolio: dylanjmolnar.github.io/portfolio   **GitHub:** github.com/dylanjmolnar   **LinkedIn:** linkedin.com/in/dylanjmolnar

>PROFESSIONAL EXPERIENCE

Pfizer/iPura | Automation Engineer | Andover, MA   Sep 2022 - Present

Suite Upgrade Project (x2):

- Upgraded the Suite MCS control systems to be compatible with more modern equipment.
- Designed and implemented the SCADA interfaces, and recreated and standardized databases.
- Upgraded Rockwell PLCs from PLC-5 to ControlLogix.
- Drove a significant decrease in failure rate for product batches.
- Upgraded the Plant Alarm Response to handle new cGMP protocols.
- Utilized multiple technologies such as iFIX GE, SQL, Dream report, Logix Designer, Oracle, and Python.

New Ultrafiltration Skid (x2):

- Develop and set up a fully automated new skid.
- Develop new SCADA screens that integrate with the existing upgrade projects' new standards.
- Setup SQL, iFIX tags, report functionality, and alarm handling to work with the new skid. Provided experience and support for PLC integration.
- Provided automation support for FAT/SAT tests.

>FREELANCE

Retail Smart | Software Developer | Boston, MA   Mar 2023 - Dec 2024

- Connect wholesale retailers and buyers to fulfill contracts for different companies such Thatcher Farms, 7-11 and Boxes and Bags Unlimited.
- Designed, developed and tested the web platform to showcase what the buyers and sellers are purchasing and selling.
- Implemented ReactJS, Chakra-UI and bootstrap to render the application.
- Maintained effective concise communication with company representatives to ensure application feature requirements were met and delivered on time.

Automated Moderation Service | Software Developer   Jan 2018 - Apr 2021

- Developed and maintained a NodeJS service that handles moderation, user features, and other services for communities on Discord serving over 50,000 users.

>SKILLS

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