

# Dylan Molnar

Boston, MA  
978-501-6476  
dylanmolnar1@gmail.com

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Portfolio: [dylanmolnar.com](https://dylanmolnar.com)

GitHub: [github.com/dylanjmolnar](https://github.com/dylanjmolnar)

LinkedIn: [linkedin.com/in/dylanjmolnar](https://linkedin.com/in/dylanjmolnar)

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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
- Created SCADA screens: process screens, reusable & custom control modules, engineering screens, alarming, management, etc...
- Setup batching, 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 (x4), Poly Depth Filter (x2), CIP (x2), & Microfiltration Skids:

- Developed and validated new fully automated equipment
- Created SCADA screens including process screens, control modules, etc...
- Setup SCADA tags, reports, alarm handling, historian, and SQL
- Programmed and integrated PLC for ground up and vendor provided skids

#### Plant Alarm Response Upgrade:

- Site-wide upgrade to alarm response handling
  - Standardized alarm acknowledgement and responses based on priority and impact
  - Dramatic improvement in alarm handling and flow of responsibility
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## -CLIENT PROJECTS-

### Retail Smart | Software Engineer | [r-iq.net](https://r-iq.net)

Mar 2023 - Dec 2024

- Designed and maintained the web platform and mobile app to connect wholesale vendors and local retailers to allow them to easily make and receive wholesale orders

### Automated Moderation Service | Software Engineer

Nov 2017 - Apr 2021

- Designed and maintained a software application that provided moderation, user verification, and other custom services for communities on chatting platforms spanning over 50k users
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## -SKILLS-

**Industrial Automation:** PLC, SCADA, SQL, Python, Oracle, Rockwell, PLC-5, GE iFix, FactoryTalk, OSI PI, Dream Report, Validation, GMP

**Software Engineering:** Typescript, Javascript, Python, HTML, CSS, Node.js, React, Next.js, Vite, SQL, Git, Firebase, Rest API, Web Scraping

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## -EDUCATION-

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