# Daniel Muir

Software Engineer

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## Work

### The Home Depot                                                1 yrs 10 mos

**Home Improvement Retailer**

## Highlights

- Integrate ad tech with search to increase monitization of user traffic (not user data)
- Design and architect sponsored product promotion and placement
- Proposed and mentored team members on use of a UAT automated testing framework across the Madtech organization

**Software Engineer II**                                         **Nov 2021 - Present**

Developed product list advertising technology for homedepot.com

### Cerner Corporation                                              3 yrs 3 mos

**Health information technology services**

**Software Engineer II**                                         **Sep 2019 - Nov 2021**

Developed hospital reimbursement systems with a focus in medicare.

**Software Engineer I**                                          **Sep 2018 - Sep 2019**

Developed deployment strategy and automation for early cloud adoption.

### Tx3 Services LLC                                                2 yrs 6 mos

**B2B saas startup - Life Science validation services**

**Associate Systems Engineer**                                  **Jan 2018 - Sep 2018**

Led validation systems development, implementation, and product installation. Focus in client facing DevOps collaboration.

**Associate Quality Engineer**                                  **Apr 2016 - Jan 2018**

Automated gui testing for Life Science's lab and manufacturing systems validation.

## Education

### Delaware County Community College                              2015 - 2016

🎓 **Engineering (focus in mechanics)**
   Associate

## Projects

### Regulatory Document Analysis

2018 - 2019

Built an algorithm that leveraged natural language processing to better understand the year over year regulatory changes in Medicare documents.

## Highlights

- Presented the project at Cerner's DevCon
- Named inventor on U.S. patent 11,681,863; issued July 2023

## Skills

### Programming

- Rust
- Shell
- Javascript
- Python
- HTML5
- AWK
- Go
- Scala
- SQL
- Java

### Technologies

- Git
- Linux
- Docker
- Kubernetes
- React
- GCP
- Spinnaker
- Vim

### Paradigms

- Data Oriented Design
- Functional Programming
- First Principles