Sean Duggan

Information Systems / Software Engineer

- Hands-on experience working with end users to develop products.
- Proven ability to manage all aspects of small and large projects.
- Solid programming skills in a diverse range of languages
- Strong communicator and collaborator

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Experience

Raytheon RIS, Burlington — Senior Software Engineer

March 2022 – Present

Developing applications, tools, and strategies for technical writing/illustration. Moved outsourced software products in-house. Illustration Automation Lead for a major defense system. Led development and delivered file modification, data extraction, and administrative applications, primarily:

- XML processing scripts (C#, Python)
- AutoCAD DWG Processing (SQL, C#, .NET)

Currently developing a major enhancement for the Patriot System.

OptoGlo Solar Signs, Leominster — Director of Information Systems

June 2021 - Dec 2022

Implemented information systems to automate and ramp manufacturing and sales. Built out physical infrastructure and maintained employee devices. Integrated manufacturing planning and sales systems. Developed unique solutions related to solar.

Raytheon RIS, Burlington — Software Engineer I/II

May 2017 – June 2021

Cairn Applications — Software Developer

June 2020 - June 2021

Creating an automated PDF invoicing system integrated with a pre-existing customer database.

Education

University of Massachusetts Lowell, Lowell — Master of Information Technology Candidate

Jan 2023 – May 2025 (Expected)

Volunteer Work

BeyondHome — Technical Consultant

2021

Left Hand Blue — Drummer

2010 - 2015

Skills

CAD Automation

XML Automation

Windows Server

Linux/Unix

AWS

Technical Publications

SQL

Programming Languages

C#

Python

JavaScript

C++

Perl

Interests

Jiu-Jitsu, weight-lifting, gaming