

Bowen Christopher

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Summary:

Solution-driven systems engineer with five years of experience developing system automation technologies. Strives for teamwork, novel solutions, and scalable systems.

Experience:

Weidmann Electrical Technology / Systems Engineer

December 2019 - Present

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- Developed a CAD/CAM Automation system that completely automated the production and manufacturing of 50% of all manufactured parts / roughly 20 million in yearly sales.
 - Managed the introduction of manufacturing automation across 20+ work centers, three countries and two continents.
 - Engineered an API driven CAM automation tool now used in Autodesk Fusion 360 Marketing and presented during the Autodesk CTO Raji Arasu's Keynote.
 - Improved collaboration and verification process for custom software using Git and Docker.
 - Reduced CNC Programming time by 80 hours a week with custom Fusion 360 API tools.

Weidmann Electrical Technology / System Analyst

September 2018 - December 2019

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- Developed a process for virtualizing the controls of legacy production equipment using VMWare.
 - Managed the migration of a variety of business-critical database systems, (SQL, FireBird, Oracle DB) to Azure.
 - Provided development and support for reporting tools made in Qlik, Python, and .NET.
 - Led a Windows 10 and Office 365 rollout across eleven sites and 400+ users.

Application Developer

February 2015 - August 2018

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- Invented one of the first GAN systems and filed a now pending US Patent application / continuation.
 - Filed and licensed multiple US Patents including several to a Fortune 500.
 - Analyzed existing in-house developed applications and migrated them to AWS using ATADATA.
 - Managed large SQL and Oracle databases for use with Machine learning tools and systems.
 - Improved a proprietary web framework to handle AWS dependencies and automate reporting.

Patents:

- Formulation and Display of Product Representations 17/247,486, filed 4/22/21. patent pending
- Formulation and Display of Product Representations 15/629047, filed 11/25/16. continuation filled
- Portable display board for multimedia devices US9129537B2, filed 2015-06-14 and issued 2017-08-29
- Portable display board for multimedia devices USD753663S1, filed 2015-01-26 and issued 2016-04-12
- Display board for multimedia devices US9129537B1, filed 2015-02-18 and issued 2015-09-08

Education:

Northern Vermont University / B.S Computer Information Systems (3.3/4.0)

Skills and Interests:

Skills: Python, C#, Docker, REST API Tools, Fusion 360, AutoCAD, GANS, US Patents

Interests: Gravel Road Biking, Hiking, Skiing, Metal Working, Horology, Makerspaces, Community Volunteering