

Charles _Godsoe

AUTOMATION ENGINEER |

About Me

MY STORY

Charlie Godsoe graduated 1st Division in 2009 with an Engineering degree from the University of New Brunswick, and had an interest in control systems and software development.

In the beginning, Charlie participated in a myriad of projects involving C# and MS SQL. Clients included Schneider Electric, PG&E, Walmart, and the US Department of Energy.

Following that, Charlie focused on projects based in Alberta, and in the field of automation. Which provided him broad experience in alternate modes of programming (control system environments), and most importantly, rigorous testing and documentation standards.

Despite focusing on control system engineering, Charlie diverted a portion of his energy toward design and creation of software solutions with a primary focus on custom C# applications and database development. Often, integrating control system engineering and software solutions.

AGE: 36

FREELANCE: Available

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RESIDENCE: Canada

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Services

WHAT I DO



Automation Engineering

Expert level of control system designs, with an extensive background in a myriad of technology.



Software Development

Fluent in a myriad of languages, design paradigms, and best practices. I'm here to meet any software challenge.

Experience

WORKING WITH



2014-2023

Dynamysk Automation

Automation Engineer

Worked for a litany of clients including: CNRL, Gibson energy, Nova Chemicals, Nalco, and Cargill foods - providing solutions varying from PLC programming, HMI design, and software solutions.

2012-2014

Base Concepts

Automation Engineer

Provided PLC and HMI development support for clients in the Oil & Gas industry such as storage facilities, rail loading, and pipelines. Routinely the person called on to solve problems that had tight deadlines.

2009-2011

Catalyst Realtime / Schneider

Software Developer

Database design, application development, and solving problems that no other engineer was able to do.

2015-2017

Cascade Process Controls

Software Developer

Various software solutions, utilizing C# and SQL to meet their needs. Including a data logger connecting to control system hardware and commissioning software to produce reports automatically.

2011-2012

Beta-Tech Inc

Automation Engineer

PLC programming, HMI design, commissioning and review of engineering documentation. Projects included various Oil & Gas facilities in Alberta.

Education

STUDIED AT / AWARDS

2004-2009
**University of
New Brunswick**

Graduated first division, with a focus on Software, Robotics, and Electronics.

Design Skills

CREATIVE ABILITY

PLC Development

With 10+ years of PLC development with a myriad of technologies: from Allen-Bradley, Siemens, and Schneider resulted in expert knowledge of PLC program design.

100%

HMI Design

Experience with a plethora of platforms: FactoryTalk, AVEVA/Wonderware, Redlion, Citect, and Beijer. Worked on greenfield and brownfield projects of varying sizes.

95%

Database Design

Early on his career he was thrown into database centric problems, and had an aptitude for data visualization and design, from building stored procedures and tables, or query design.

70%

Application Design

With a massive amount of programming languages under his belt, encountering a new one is a breeze. Although focused mostly on C#, he is always excited to work with something new or old.

85%

Language Skills

READING AND WRITING

English

First language. Racked a few books in his day. A little pedantic at times.

Spanish

Enough to get by. A veces es demasiado rápido para mi.



Coding Skills

DEVELOPING ON



PLC

Allen-bradley may be his strongest platform but can do them all.



SQL

Absolute master at SQL, queries are my jam.



C#

Probably the most proficient here - but, can do them all.



WordPress

Several wordpress sites under his belt - you're on one.



Python

The programming language for the a lot of the future data science, ready.



HTML, CSS

Integral part of web development, so it is in his repertoire.

Interactive Resume:

At: www.Godsoe.Tech