

# GARY WILLIAMS

Le Sueur, MN

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## SUMMARY

An aspiring Full Stack Web Developer with extensive knowledge of software systems and a background working with an automation group in a plant manufacturing environment, interacting with all departments at problem solving and innovation, saving time and reducing labor costs, adding transparency in information and reporting, creating very impressive software that is relied upon and still in use today.

## TECHNICAL SKILLS

**Languages:** JavaScript, .NET, C#, VB, C++, SQL, JSON, XML

**Applications:** Visual Studio Code, Node.js, Visual Studio Professional, Git, SOA, DevOps, Agile, Scrum.

## PROJECTS

### What's Soap | Back End Developer

**Deployed Link:** <https://bit.ly/3MUD6HB> | **Code:** <https://bit.ly/3F4s6FF>

What's Soap is a web application where users can search and post their home-made soap recipes.

- **Role:** Suggested the idea, paired up to create the back end, and introduced the project presentation.
- **Utilized:** MERN Stack, Node.js, MongoDB, Express, React, Heroku, Cloudinary, Bootstrap, ES6.

### Raw Material Consumption | Back End Developer

Create a Web API that allows operators to use bar code scanners as they load bulk raw product into a production line so the inventory management system can track the specific material that was consumed by the production lot. This allowed the QA department to track down any discrepancies between already certified material used in a production run if the end product didn't pass inspection.

- **Role:** Create API Endpoints for the front-end developers, test bar code scanners and production inventory lot usage for QA to track what products were used from the raw materials inventory.
- **Utilized:** C# .NET, SQL, Entity Framework, Oracle, JSON, Swagger, Sonic Cube, Jenkins, Moq.

### Product Thickness Sorting and Storage | Back End Developer

Create a Web API that allowed an automated unloading system from the raw production line to separate products according to different thicknesses allowing the product to be loaded into final polishing according to thickness. This enabling the polish line to run faster eliminating the occurrence of a slightly thicker product that interrupts the polishing equipment avoiding major equipment failure and downtime for repair.

- **Role:** Create API Endpoints for the front-end developers, communicate with measuring systems and production inventory orders and separate product by thickness requirements.
- **Utilized:** C# .NET, SQL, Entity Framework, Oracle, JSON, Swagger, Sonic Cube, Jenkins, Moq.

### QA Touchscreens | Developer

Windows programs that allow a QA inspector to log product quality attributes about a slab being inspected integrating with the warehouse control system for inventory reporting. This system greatly reduces inspection time allowing production to run faster.

- **Role:** Create programs on mounted enclosures at each inspection station that run from WYSE terminals.
- **Utilized:** C# .NET, WCS, PLC API's, SQL, Oracle

## RELEVANT EXPERIENCE

CAD Programmer Engineer

2017 – 2020

**Bailiwick**

Chaska, MN

Pre-sales and delivery for external customers and internal project teams, WIFI and data designs.

Netload Application for Cad Engineers, installation prints, BOM reports.

- Eliminated drafting errors.
- Saved countless hours and prevented common mistakes on installation projects.

**.NET Programmer**

2006 – 2017

**Cambria**

Le Sueur, MN

IT: Worked in a Service Oriented Architecture.

- Developed Backend API's for Angular.
- Implemented consistency in a plant wide network of applications.

**Fab Shop:** Drawings and G Code for Waterjet and CNC programming with Alpha CAM and Visual Studio.

- Saved many hours by automating the common tasks associated with creating manufacturing documentation for the shop personnel.

**Automation:** Created programs for R&D, Engineering, Automation, QA and Management, using C#, Siemens and Allen Bradley PLC API's.

- Data Acquisition, Reporting, Charting, Touchscreens, HMI's, Bar Codes, Automatic Printers, Scanners, Image Booths, Big Screen Displays. Updated software to use an Oracle Warehouse Control System.
- Projects were essential to streamlining automation with management and operator wants with expectations of increasing usability of equipment purchased from others.
- Created an efficient production environment with the oversight and accountability expected from a manufacturing facility.

**ADDITIONAL EXPERIENCE****Owner**

2021 – 2022

**GaryWare LLC**

Le Sueur, MN

Approved Seller on Amazon, eBay and Walmart.

Purchase researched inventory to be sold, all advertisements and transactions handled by Amazon Warehouse.

**Owner**

2020 – 2021

**Guitar Stuff and More, GaryWare LLC**

Le Sueur, MN

Own and Operate E-Commerce Website GuitarStuffAndMore.com.

**EDUCATION****Boot Camp Certificate****University of Minnesota**

Minnesota

A 24-week intensive program focused on gaining technical programming skills in HTML5, CSS3, JavaScript, ES6, jQuery, jQuery UI, jQuery UI Touch Punch, Bootstrap, Node.js, MySQL, MongoDB, JawsDB, IndexedDB, Sequelize, Express, Handelbars.js, and ReactJS, JSX, XML, Fetch API, Heroku, Apollo, Insomnia, AJAX, DotEnv, GitHub, Git Bash, Jest, BCrypt, ESLint, GraphQL, MERN, DOM, MVC.

**Certificates - Microsoft Certified Application Developer (MCAD), Microsoft Certified Professional (MCP) in Web Applications, XML Web Services, Server Components and Windows Applications.**

**North Hennepin Community College**

Brooklyn Park, MN

**Certificate in Configuration Management****University of Wisconsin**

Milwaukee, WI

**Diploma in Mechanical Drafting and Design****Anoka-Hennepin Technical College**

Anoka, MN