

# Kyle Rassweiler

---

Phone: [1-613-724-9141](tel:1-613-724-9141) Email: [jobs@kylerassweiler.ca](mailto:jobs@kylerassweiler.ca)

[Portfolio](#) | [Github](#) | [LinkedIn](#)

## Summary

---

I'm an **Engineering specialist** with experience in both software and hardware development with schooling focused on embedded development and robotics. I'm a self starter and quick to learn new technologies.

## Skills

---

<b>Software</b>	Angular, Assembly(PIC), C++, CMake, Django, Git, HTML, JavaScript, Mongoose, Node, PHP, Python, React, Redux, SCSS, Typescript, VBA
<b>Virtualisation</b>	Docker, Proxmox, Qemu/KVM, XCP-NG
<b>Systems</b>	Arch, Debian, FreeBSD/OpenBSD, Windows
<b>Databases</b>	MongoDB, MySQL, PostgreSQL, SQLite
<b>Hardware</b>	Arduino, PIC, Raspberry Pi, Zigbee
<b>PLC</b>	Mitsubishi, Toyopuc, AB
<b>Robots</b>	Kawasaki, Nachi, Panasonic, Yaskawa

## Projects

---

<b>React Pagination</b>  (Javascript, CSS, HTML, Node, React)	A Hatchways assesment for React front-end work. The project required the addition of a pagination system for a sample blog site.  <a href="#">Source</a>
<b>Random Quote Machine</b>  (Javascript, SCSS, HTML, Node, React, Bootstrap)	A FreeCodeCamp project that generates random tweetable quotes using React.  <a href="#">Source</a>
<b>Markdown Preview</b>  (Javascript, SCSS, HTML, Node, React, Bootstrap)	A FreeCodeCamp project that will preview markdown input into a seperate editor window.  <a href="#">Source</a>
<b>Krello</b>  (Typescript, React, tRPC, Nextjs, NextAuth, Prisma, Vercel, Planetscale)	A simple kanban web app made using Nextjs, React, tRPC, NextAuth, Prisma, and Typescript. The app is hosted on Vercel and Planetscale.  <a href="#">Site</a>   <a href="#">Source</a>   <a href="#">Demo</a>
<b>Kawasaki AS Parser</b>  (Typescript, SCSS, HTML, Node, Electron)	A Kawasaki robot backup parser library written in TypeScript. Used to assist with analysing robot data in a seperate Toyota project.  <a href="#">Site</a>   <a href="#">Source</a>

## Certificates

---

### Free Code Camp

JavaScript Algorithms and Data Structures

July 2022

[Certificate](#)

### Free Code Camp

Responsive Web Design

June 2022

[Certificate](#)

## Experience

---

### Engineering Specialist

Commissioning, HMI design, PLC programming, Robotic Vision (Robeye , Omron, Keyence), 3D Factory Design (CAD), Robot programming, Project Management, Tools Programming (VBA, Powerbi, Electron).

2017 – Present

TEMA (Toyota)

#### Highlights

- Managed project implementation during non production time, ensuring no issues affect production and quality.
- Implemented a new teach method that saved 75% of equipment recovery time, using a 4 point before-after comparison.
- Setup production lines in 7 plants across North America for: Rav4, Camery, Hilander, Lexus NX, and Lexus RX. Production earned roughly 89 billion USD in 2022 across North America.

### Robotics Technician

HMI design, PLC programming, Robot programming, SCADA programing.

2014 – 2017

FIO Automotive

#### Highlights

- Developed a proof of concept SCADA system using Angular, MongoDB, and Node.js. The system allowed management to track downtime and target repeat issues during a 24/7 production period.
- Setup networking for all production lines in order to implement my proof of concept and collect data to a MSSQL database.

### Operational Technician

PLC programming, Robot programming.

2012 – 2014

Abbott Point Of Care

## Education

---

### Electro-Mechanical Engineering Technician

Embedded development, plc programming, circuit and pcb design, motor controls, industrial robotics, microcontrollers.

Algonquin College

### Computer Animation

Traditional animation, 3d animation, riging, modelling, python scripting, layout.

Algonquin College