Kyle Rassweiler

Phone: 1-613-724-9141 **Email:** jobs@kylerassweiler.ca

Portfolio | Github | LinkedIn | Codepen

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

- Assembly(PIC)
- C++
- CAD
- Docker
- Git
- HTML
- JavaScript

- Linux
- Node
- PLC (Mitsubishi, Toyopuc, AB)
- Proxmox
- Python
- Qemu/KVM
- React

- Redux
- Robots (Kawasaki, Nachi,Panasonic, Yaskawa)
- SCSS
- DB (SQLite, PostgreSQL, Mongodb)
- Typescript
- VB

Experience

Canopy Growth – Controls Technician *(2023 — Present)*

Commissioning, HMI design, PLC programming.

Work4ce (Toyota) - Engineering Specialist *(2017 — 2023)*

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

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.

FIO Automotive - Robotics Technician *(2014 — 2017)*

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

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.

Abbott Point Of Care - Operational Technician *(2012 — 2014)*

PLC programming, Robot programming.

Projects

Krello

(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.

Site | **Source** | **Demo**

25 + 5 Clock

(Javascript, SCSS, HTML, Node, React, Bootstrap)

A FreeCodeCamp project creating a timer + break timer combination using React.

Source

Markdown Preview

(Javascript, SCSS, HTML, Node, React, Bootstrap)

A FreeCodeCamp project that will preview markdown input into a seperate editor window.

Source

Certificates

Free Code Camp *(July 2022)*

JavaScript Algorithms and Data Structures

Certificate

Free Code Camp *(June 2022)*

Responsive Web Design

Certificate

Free Code Camp *(June 2022)*

Front End Development Libraries

Certificate

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	