

# Kyle Rassweiler

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[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
- DB (SQLite, PostgreSQL, MongoDB)
- Docker
- Git
- HTML
- JavaScript
- Linux
- Node
- PLC (Mitsubishi, Toyopuc, AB, Omron, Siemens)
- Proxmox
- Python
- Qemu/KVM
- React
- Redux
- Robots (Kawasaki, Nachi, Panasonic, Yaskawa)
- SCSS
- Typescript
- VB

## Experience

### Canopy Growth - Controls Technician (2023 - Present)

Commissioning, HMI design, PLC programming (AB, Siemens, Omron), SCADA system design, Building Automation (Ecostruxure).

### 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 separate 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, rigging, modelling, python scripting, layout.

*Algonquin College*

