

# Kyle Rassweiler

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📁 Portfolio: <https://portfolio.kylerassweiler.ca> | 🌐 Github: [www.github.com/rassweiler](https://www.github.com/rassweiler)

## Summary

Engineering Specialist with experience in: software development, networking, programmable logic controllers, robotics, electronics, and machining.

## Skills

Software	Angular, Apache2 , Assembly(PIC), C++, CMake, Django, Git, HTML, JavaScript, Meteor, Mongoose, Node, PHP, Python, React, Redux
Virtualisation	Qemu/KVM, Docker, XCP-NG
Systems	FreeBSD, Arch, Debian, Windows, Proxmox
Databases	MongoDB, MySQL, PostgreSQL, SQLite
Hardware	Arduino, Raspberry Pi, Zigbee

## Projects

### Krello

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

A simple Trello clone developed using react and redux with jest and enzyme for testing. Used Javascript, SCSS, and HTML to style the react components.

Site: <https://portfolio.kylerassweiler.ca/software/krello/>

Demo: <https://krello.kylerassweiler.com/>

Source: <https://github.com/rassweiler/krello>

### KR-Display

(Javascript, HTML, Node, Meteor, MongoDB)

A responsive Meteor application for the display of SQL data. The system uses jobs to schedule information updates from the SQL server, the jobs then update the local MongoDB database. This dashboard displays production information, allowing management to track and minimise downtime.

Site: <https://portfolio.kylerassweiler.ca/software/kr-display/>

Source: <https://github.com/rassweiler/kr-display>

### Kawasaki AS Parser

(Typescript, SCSS, HTML, Node, Electron)

A Kawasaki robot backup parser written in TypeScript for browser or Node. The library also includes TypeScript interfaces for use in new projects.

Website: <https://portfolio.kylerassweiler.ca/software/kawasaki-parser/>

Source: <https://github.com/rassweiler/kawasaki-as-parser>

### Robot Project Utility Mk2

(Javascript, CSS, HTML, Node, React, Electron)

A simple utility written in JS, HTML, CSS, React, and Electron(Node.js). The utility allows the user to view robot backup information from various robot brands(Currently Kawasaki), and is also used to compare two backups then determine any change points. The utility can also be used for work planning.

Site: <https://portfolio.kylerassweiler.ca/software/robot-project-utility/>

Source: <https://github.com/rassweiler/robot-project-utility>

## Certificates

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### Free Code Camp

JavaScript Algorithms and Data Structures

July 2022

<https://www.freecodecamp.org/certification/kylerrassweiler/javascript-algorithms-and-data-structures>

### Free Code Camp

Responsive Web Design

June 2022

<https://www.freecodecamp.org/certification/kylerrassweiler/responsive-web-design>

## Experience

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### Engineering Specialist

PLC programming, Robotic Vision (Robeye system), 3D Factory Design, Robot programming, Project Management

2017 – Present

TEMA (Toyota)

### Robotics Technician

PLC programming, Robot programming, SCADA programming.

2014 – 2017

FIO Automotive

### Operational Technician

PLC programming, Robot programming.

2012 – 2014

Abbott Point Of Care

## Education

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### Electro-Mechanical Engineering Technician

Algonquin College, Ottawa, ON.

2010 – 2012

### Computer Animation

Algonquin College, Ottawa, ON.

2007 – 2010