Kyle Rassweiler

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🐧 **Portfolio:** **https://portfolio.kylerassweiler.ca** | ⌂ **Github:** **www.github.com/rassweiler**

🔥 **Code Camp:** **https://www.freecodecamp.org/kylerassweiler**

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	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	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 managment to track and minimise downtime. **Site:** **https://portfolio.kylerassweiler.ca/software/kr-display/** **Source:** **https://github.com/rassweiler/kr-display**
Kawasaki AS Parser	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	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**

Experience

Engineering Specialist *2017 — Present* *TEMA (Toyota)*	PLC programming, Robotic Vision (Robeye system), 3D Factory Design, Robot programming, Project Management
Robotics Technician *2014 — 2017* FIO Automotive	PLC programming, Robot programming, SCADA programing.
Operational Technician *2012 — 2014* Abbott Point Of Care	PLC programming, Robot programming.

Certificates

Free Code Camp *July 2022*	JavaScript Algorithms and Data Structures
Free Code Camp *June 2022*	Responsive Web Design

Education

Electro-Mechanical Engineering Technician *2010 — 2012*	Algonquin College, Ottawa, ON.
Computer Animation *2007 — 2010*	Algonquin College, Ottawa, ON.