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.

I am currently in a React/Node/Electron deep dive, but also have experience with Python and various sql/nosql databases.

Skills

Software	Angular, Apache2 , Assembly(PIC), C++, CMake, Django, Git, Gitlab, Github, HTML, JavaScript, Meteor, Mongoose, Node, PHP, Python, React, Redux
Virtualisation	Virtual Box, Qemu/KVM, Docker
Systems	BSD, Arch, Debian, Windows, Proxmox
Databases	MongoDB, MySQL, Postgresql, SQLite
Hardware	AB(Micro800), Arduino, Mitsubishi, Omron, Raspberry Pi, Toyopuc, Zigbee

Projects

KRello	A simple Trello clone developed using react and redux with jest and enzyme for testing. **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. **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, Electrical system troubleshooting, Improving processes and designs, Work planning, Commissioning, Equipment buy offs, Vendor support, Laser Welding, Friction Stir Welding, Aluminium Spot Welding
Robotics Technician *2014 — 2017* FIO Automotive	PLC programming, Robot programming, Machining, Electrical system wiring, Electronics repairing, Robot repairing, Weld condition setup and modification, Setup SCADA system and PLC networking.
Operational Technician *2012 — 2014* Abbott Point Of Care	Repair equipment, Preventative Maintenance, Inspections.

Education

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