

Kyle Rassweiler

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Portfolio: <https://portfolio.kylerassweiler.ca> Github: www.github.com/rassweiler

Summary

Engineering specialist with experience in both software and hardware development with schooling focused on embedded development and robotics.

Skills

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

Projects

React Pagination

(Javascript, CSS, HTML, Node, React)

A Hatchways assesment for React front-end work. The project required the addition of a pagination system for a sample blog site.

Source: <https://github.com/kylerassweiler/165b69>

Random Quote Machine

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

A FreeCodeCamp project that generates random tweetable quotes using React.

Website: <https://codepen.io/kylerassweiler/pen/rNdJzY0>

Markdown Preview

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

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

Website: <https://codepen.io/kylerassweiler/pen/LYdQmMz>

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.

Website:

<https://portfolio.kylerassweiler.ca/posts/software/node/krello/>

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

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

Kawasaki AS Parser

(Typescript, SCSS, HTML, Node, Electron)

A Kawasaki robot backup parser library written in TypeScript.

Website:

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

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

Certificates

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

Engineering Specialist

PLC programming, Robotic Vision (Robeye system), 3D Factory Design, Robot programming, Project Management, Tools Programming (VBA, Powerbi, Electron).

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

Electro-Mechanical Engineering Technician

Algonquin College, Ottawa, ON.

2010 – 2012

Computer Animation

Algonquin College, Ottawa, ON.

2007 – 2010