Joseph Garrett Corbin

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Summary Statement

Full stack web developer who will help your company succeed by completing projects on time and under budget. Trained by UC Berkeley's Extension program, I worked on several projects and collaborated with different teams using agile practices (links below).

Projects

Professional Portfolio - Built from the ground up to showcase projects.

Repo: https://github.com/platevoltage/portfolio-v4.0-react
Live link: https://jgarrettcorbin.com

- Built using the React.js library and Typescript.
- Content is easily added or removed using a JSON configuration file.

RGB Strip Controller - Controlling your LED light strips made easy.

Repo: https://github.com/platevoltage/RGB-strip-controller
Live link: https://platevoltage.github.io/RGB-strip-controller/

- React front end that is served directly from an Espressif Wifi-enabled microcontroller using REST API.
- Back end build using PlatformIO and ESP WebServer libraries.
- Utilizes LittleFS to store configuration between power cycles.

Story Factory - A full stack social media based creative writing app.

Repo: https://github.com/platevoltage/Story-Factory
Live link: https://story-factory.ec2.jgarrettcorbin.com

- Led the team on the design and functionality of this application.
- React.js app backed by Node.js, MongoDB via Mongoose.
- Uses Bcrypt and JSON Web Tokens for authentication.
- Deployed on an AWS EC2 instance.

Relevant Work Experience

Automation Tech

Wood You Recycle - Albuquerque, NM
2016-2019

- Programmed Siemens PLCs, designed custom controllers using Atmel microcontrollers and EAGLE.
- Used Linux and Raspberry Pi to develop a monitoring system, decreasing responsibilities for the operator.

R&D and Installation

Fossil Free Fuel - Pittsburgh, PA
2009-2011

- Designed a digital controller based around the Atmel 328p microcontroller and a character LCD display for operating and monitoring fuel system temperatures.
- Designed and installed vegetable oil fuel systems in diesel cars and trucks.

Education

University of California, Berkeley

2021-2022

- Full Stack Web Development course.
- Used Node.js and Express.js to build server backends.
- Became proficient in libraries and frameworks including React, Bootstrap, and jQuery.
- Worked productively on a remote team using Zoom and Github Projects.

Skills

Javascript, Typescript, HTML5, CSS3, Node.js, React, AWS, Electron, Angular, MySQL/PostgreSQL, MongoDB, Apollo GraphQL, Express.js, Linux/UNIX, Embedded C++, IoT