Joseph Garrett Corbin

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Skills

Javascript	HTML 5	Node.js	AWS	Linux/UNIX
Typescript	CSS 3	React.js	MySQL	Responsive Design

Projects

Portfolio v4.0 React - 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.
- Visitor analytics stored in a MySQL database. Geolocation provided by ipdata.co API.
- Responsive design optimized for both desktop and mobile.

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.js front end served directly from an Espressif Wifi-enabled microcontroller using REST API.
- Back end built using PlatformIO and ESP WebServer libraries.
- Uses LittleFS to store persistent data 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 and MongoDB using Mongoose.
- Uses Bcrypt and JSON Web Tokens for authentication.
- Deployed on an AWS EC2 instance.

Work Experience

Freelance Software Developer

2022-2023

- Built an app for Stella Courier that parses their weekly .csv data dump into separate invoices for billing.
- This automates a task that typically took 3-4 hours per week.

Courier - King Courier - San Francisco, CA

2019-2022

- Used this period for self-learning for my transition into the web space.

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, cutting number of human operators required to run the mill by 50%.
- User interface built using Vanilla Javascript with a Python Flask backend.

Repair Technician - Mignogna Collision Center - Greensburg, PA

2011-2016

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

UC Berkeley Extension Full Stack Web Development Bootcamp

2021-2022

- Used Node.js and Express.js to build server backends.
- Worked productively on a remote team using Zoom and Github Projects.