Kyle Norris

Web Developer

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Skills

Programming languages:
Javascript, Python, R

Web technologies/frameworks:
Vue, React, CSS, SCSS, Vuex, Vue Router, Vuetify, FastAPI, MJML, Handlebars, Bootstrap, Gulp, ChartJS, Highcharts

Version Control:
Git, Github

DevOps:
Docker, Docker Compose, AWS, PostgreSQL

Design Tools:
Sketch, Figma

Testing:
Jest, Pytest, testthat, Chrome DevTools

CI/CD:
Github Actions, Ansible

Education

B.S. EET, Concentration in Mechatronics
East Coast Polytechnic Institute

Professional Summary

Full-stack web developer with extensive experience using JavaScript frameworks to create functional, modern dashboards and web apps.

Work Experience

Front-End Developer

FilePoint - August 2023 to present

- Developed public facing dashboards for Exchange Traded Funds, interfacing with APIs from large banks for daily data updates
- Utilized Highcharts to develop custom data visualizations using CSV and JSON data feeds
- Created and maintained dozens of regulatory document-hosting websites for Mutual Funds
- Interfaced directly with clients to make updates and troubleshoot problems with their websites
- Developed web technologies to produce automated PDF documents for Mutual Fund and ETF clients
- Designed a system of continuous deployment using Github Actions and Rsync to quickly and efficiently deploy websites
- Developed NPM scripts to automate developer tasks and catch mistakes during build processes

Web Developer

Oak City Labs - August 2021 to August 2023

- Developed and maintained full-stack web apps with a responsive frontend using Vue.js, and an efficient backend using FastAPI and PostgreSQL
- Wrote unit tests using Jest, Pytest, and testthat to cover over 80% of source code
- Containerized applications using Docker to enable consistency across deployment environments
- Used Sketch and Figma to prototype and design user-friendly web pages that meet customer requirements, and translated those mockups into responsive frontend code
- Streamlined testing, linting, and deployment processes using Github Actions
- Designed, developed, and implemented transactional emails using MJML and Mailchimp
- Utilized ChartJS to build responsive, functional frontend dashboards

Work Experience (continued)

Operations Engineer

Bright View Technologies - March 2020 to August 2021

- Measured and cataloged the adhesion strength of laminated acrylic boards to prevent and predict quality issues
- Installed a continuous inkjet printer, interfaced to an RSLogix 500 PLC, to provide lot traceability for laminated acrylic boards
- Integrated the lamination production line system with Microsoft SQL Server using FactoryTalk Transaction Manager
- Provided technical support to operators by troubleshooting issues with Allen Bradley PLCs, SQL databases, and mechanical hardware
- Maintained Microsoft Access documents to streamline operator interactions with database

Automation and Controls Engineer

Autonetics - October 2017 to March 2020

- Designed touch screen human machine interfaces for production cycle control, integrated with a Siemens PLC
- Lead the integrated team to develop, test, and deliver a Coupling Deburring System
- Performed testing and verification for a Coupling Deburring system to determine unknown parameters such as the rate of consumable wear and the maximum limits on cycle time
- Developed prototype PCB designs for a high power (10A) linear LED driver using KiCad
- Performed breadboard testing and electrical troubleshooting for proof-of-concept PCBs
- Assembled surface-mount PCB designs using a soldering iron and/or a reflow oven
- Designed full system electrical schematics for CSA certified control panels using both SolidWorks Electrical and AutoCAD Electrical
- Developed Siemens PLCs as part of fully automatic metrology systems using pneumatic actuators, brushless servo motors, and a variety of input sensors
- Worked with mechanical engineers to design and assemble electrical control panels for both 480VAC and 24VDC components
- Tuned servo controllers for optimum performance via PID loops
- Performed on-site system installation and diagnostics of robotic metrology equipment
- Developed an algorithm for minimizing the deviation of sensor assembly positions on robotic systems to maximize accuracy and repeatability of measurements
- Wrote work instruction manuals to improve the consistency and quality of measurement system assemblies
- Performed acceptance testing to verify system performance against customer specifications and American Petroleum Institute standards