

Kelby Amerson

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Work Experience

General Motors, Atlanta, GA

March 2021-Present

Software Engineer / Frontend Lead

- Led a cross-functional team in the end-to-end development of a React Dealer application for 2 years, from conceptualization to deployment
- Participated in Agile process, overseeing the rollout of the application to over 4000 dealers
- Mentored junior software engineers, fostering their professional growth and contributing to their skill development.
- Implemented feedback-driven improvements based on insights gained from dealer interactions, contributing to increased satisfaction.

Process Control Corporation, Atlanta, GA

August 2019-March 2021

Embedded Software Engineer

- Developing embedded C/C++ code for features of plastics blending products, including 50+ interface changes, networking implementations, and formulaic alterations to suit customers' needs
- Researching and developing a new product for our line using the implementation of a Raspberry Pi
- Worked closely with Hardware Management to implement 10+ FIR filters
- Developed a new process for maintaining traffic through Modbus TCP/IP as a client
- Troubleshoot products through manual testing and debugging of programs

University of Georgia Hotel and Conference Center, Athens, GA

May 2016-August 2019

Technology Project Manager

- Developed and produced 30 training modules for the hotel training website, including videos, presentations, and handouts
- Implemented ergonomic technology during renovations for the Food and Beverage Dept., including 10 handheld POS machines
- Developed a website to view panorama pictures of hotel rooms with an open-source panorama viewer
- Set up an average 5 banquet events per week and worked with the event contact to fulfill various requests
- Developed and refined communication skills in a fast-paced environment to act as liaison between front and back end of the hotel

Skills and Training

Languages: React, Javascript, Java, C#, C/C++, HTML, CSS, PHP, MatLab, Python, Rust, Assembly, R

Operating Systems: Windows XP/Vista/7/10, Ubuntu, Fedora, Linux, Debian, Raspbian, MacOS

Database: MySQL, MariaDB, MongoDB

Technologies: Azure DevOps, Visual Studio, Insomnia, PuTTY, git, Github, Subversion, B&R Automation Studio, Glade, Codeblocks, Visual Studio, MatLab, VMware, WireShark, R Studio

Protocols: Modbus TCP/IP, OPC UA, Telnet, SSH

Education

University of Georgia, Athens, GA

May 2019

Bachelor of Science in Computer Science

Michigan State University, East Lansing, MI

April 2023

Master of Science in Customer Experience Management

Honors and Involvement

UGA Center for Continuing Education and Hotel: Student Employee of the Year July 2018

Association for Computing Machinery: August 2017-August 2019

International Collegiate Programming Contest: UGA 2019 (Top 50 in Southeast Regionals)