Mason Harlan

Contact

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Portfolio

https://www.masonharlan.com/
https://github.com/mgharlan

Education

University of Nevada, Reno
Reno, NV
B.S. in Computer Science
and Engineering
Graduated: 12/2021
GPA: 3.88

Frontend Skills

React/Vue
HTML/CSS
Flutter

Backend Skills

SQL
Node.js
Docker/Kubernetes
GraphQL

Languages

JavaScript/Typescript
Python
PHP
C/C++

Experience

Associate Software Engineer • KAR Global
09/2021 – Present
- Used client feedback to create a newly revamped user interface for RDN that offers a cleaner and more navigable user experience. Implemented a dark mode by popular demand from clients.
- Created a data visualization dashboard to give clients quick and easy insight into actionable metrics from critical datapoints.
- Migrated the RDN registration process from PHP 5 to a new Vue project to meet changes in business requirements and to keep up with modern design and development trends.
- Designed a publish/subscription system for high volume event processing to increase throughput, decrease latency, and mitigate strain on the database.

Software Engineering Intern • KAR Global
10/2020 – 09/2021
- Reduced the number of security vulnerabilities by over 50% to meet code analysis requirements and to protect the integrity of the system.
- Collaborated with a graphic designer to create a cleaner user interface and to seamlessly integrate the technical needs with the user experience for the Cleardata+ mobile app.

Projects

Patient Record System - Node/React
09/2020 – 01/2022
An electronic patient record system designed for the San Carlos ambulance service in Sonora, Mexico. The system allows EMTs and other users to enter and access electronic patient charts from anywhere. The system dramatically improves upon the old workflows used with paper charts. It has positively impacted the quality of care by generating useful statistics and reports.

Bird Bot - Python
06/2020 – 07/2020
Bird Bot is an ornithology bot that scrapes bird images and descriptions from the web and uses the REST APIs for Discord and Twitter to serve the information on the respective platforms. This simple bot allows users to request random bird facts and images, view specific birds, and learn about ornithology in a fun and interactive way.