Carlos Rodriguez

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Objective

Driven software developer with a strong foundation in programming languages and frameworks. Seeking a software development role that provides opportunities for continuous learning and professional growth. Eager to contribute to innovative projects while expanding technical skills and staying up-to-date with emerging technologies. Committed to delivering high-quality solutions and collaborating effectively within a dynamic team environment.

Projects

Online Budgeting React App, (Mongoose.js, Express.js, React, Node.js)

A CRUD application that allows users to set up a monthly budget plan and record all their expenses and purchases throughout the month. The navigation bar updates in real-time with the remaining balance left for the month. This online application requires users to create an account for authentication and to save their data.

Appointment Management System, (Java, JavaFx, JDBC, MySql)

A CRUD application that allows the user to create and manage appointments and customers. Resolves scheduling conflicts and organizes useful business data. Java application that uses Java Database Connectivity (JDBC) to connect to a MySql database using JavaFx to display user interface.

Routing Optimization Algorithm Program, (Python)

The program takes a csv file with a list of addresses on it and another csv file with a list of package information. Uses the package information and the greedy algorithm to find an optimal path to deliver all packages in a shorter amount of milage when compared to taking packages in order.

Education

B.S. Computer Science Major, 2023
Western Governors University, United States

Technical Skills

- Programming Technologies: **Java**, **Python**
- Graphical User Interface Technologies: **JavaFx**
- Programming Technologies, Front End: **React**, **JavaScript**, **HTML**, **CSS**
- Programming Technologies, Back End: **Express.js**
- Programming Frameworks: **Node.js**, **JSON**
- Database Technologies: **PostgresSql**, **MySql**, **JDBC**, **MongoDB**, **Mongoose.js**
- Version Control: **Git**, **GitHub**, **Bash**
- Other Technologies: **Postman**, **MongoDB Atlas**

Other Skills

- Languages: Fluent in English and Spanish
- Public Speaking: Experience and ability to speak with passion and confidence