STANTON BARBADILLO

Eugene, Oregon | (808) 352-8476 | stankneee@gmail.com
https://www.linkedin.com/in/stannb/|https://github.com/stankneee

EDUCATION

Western Governors University - Bachelor of Science, Computer Science   2020 - 2024

TECHNICAL SKILLS

Front End| React, Javascript, TypeScript, Angular, Bootstrap
Back End| Java, C++, Springboot, PostgreSQL, MongoDB, MySQL
Developer Tools| Docker, Git, npm, Agile Methodology

EXPERIENCE

Desktop Support Analyst | Aladdin Termite and Pest Control   **2017 - 2020**

- Provide hands-on desktop support to end-users, resolving hardware and software issues promptly to minimize downtime.
- Deploy operating system upgrades and ensure compatibility with existing applications, ensuring a smooth transition for end-users.
- Offer remote desktop assistance, addressing user concerns and providing timely solutions to issues.
- Delivered exceptional customer service, resolving technical issues through effective communication and troubleshooting.

PROJECTS

OptiRoute: Package Routing Program

Post office packing routing program.   Python | Data Structures | Algorithm Design

- Designed and developed a custom hash table to manage package data efficiently, including all package fields like delivery address, city, zip code, weight, etc.
- Created a routing algorithm to distribute packages among trucks while considering unique constraints per package. The algorithm successfully balanced load distribution and route optimization, keeping the total distance traveled within the set limit.
- Created a look-up function to track real-time status of each package, including location and delivery time, enhancing the transparency and reliability of the delivery process.
- Developed an intuitive interface enabling users to view delivery status and total mileage in real-time. Prioritized user experience in design to ensure ease of use and clarity of information.
- Addressed complex logistical challenges, such as the incorrect address for a package that required real-time updating.

Journey Planner: Integrated Travel Booking System

Vacation itinerary & booking web application.   Java | Springboot | Angular | MySQL

- Developed code logic for user authentication, booking processing, and data retrieval, ensuring secure and efficient application functionality.
- Designed a responsive user interface, with custom components and pages to enhance the user experience.
- Implemented real-time flight and hotel booking systems, integrating external APIs for up-to-date availability and pricing information.
- Conducted testing, including unit tests, integration tests, and end-to-end tests, to guarantee reliability.
- Managed codebase using Git and maintained detailed documentation to track project changes and facilitate future updates.

Hotel Reservation Interface Application

Hotel scheduling & management web application.   Java | Springboot | Angular | Docker

- Built a web-based hotel booking application with a containerized deployment using Docker.
- Employed Angular for the frontend and a Spring-powered backend for enhanced functionality.
- Implemented automatic language and time zone conversion to align with the customer's preferences, ensuring a seamless and personalized user experience.

E-commerce Inventory Web Application

Inventory management web application.   Java | Springboot | PostgreSQL

- Developed solutions that enhance the ease of user interactions, streamlined data handling, and optimize inventory control.
- Created an engaging and easy-to-use interface, with uniquely designed pages that offer smooth navigation throughout the app.
- Developed a flexible inventory module, incorporated interactive e-commerce features, and utilized data structures for effective inventory tracking.