Joshmar Morales

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WORK EXPERIENCE

JCM-Global   **Aug. 2023 – Aug. 2024**
Software Engineer   *Las Vegas, NV*
- Developed real-time multi-threaded applications and BSP drivers for a network adapter device, facilitating communication between devices and a web server.
- Built RESTful APIs to deliver field product data to the web application's back-end server.
- Implemented new features that improved EGM gameplay by 10% and expanded netwolrking capabilities.
- Resolved critical bugs, reducing downtimes by 10% and significantly enhancing user experience during casino operations.
- Thoroughly documented codebase changes, improving team productivity and onboarding efficiency.

PROJECTS

Jhuv Nutrition
- Developed a full-stack e-commerce platform entirely in TypeScript, utilizing React for the frontend and Node.js for a secure and efficient backend.
- Implemented dynamic data management and authentication processes with MongoDB, ensuring seamless handling of product, user, and order information.
- Designed a responsive, user-focused interface powered by React and styled with Tailwind CSS, delivering a smooth and engaging shopping experience.

Personal Portfolio
- Developed a professional personal portfolio using vanilla JavaScript and SCSS, highlighting key projects with a clean, responsive design and an intuitive user experience.

Weather Application
- Built a weather application using vanilla JavaScript and the MVC architecture, which fetches and displays current weather information for cities around the world.
- Styled the frontend with SCSS to create a responsive, user-friendly interface that enhances user experience.

Drowning Victim Detection Project
- Developed a machine learning model using Python libraries to detect drowning movements in swimming pools.
- Deployed and optimized the model on the NVIDIA Jetson Nano, enhancing performance for the final product.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS, C/C++, Python
- **Front End:** React, Tailwind CSS, Bootstrap, SASS/SCSS, CSS Modules
- **Back End:** MongoDB, NodeJS, Express, Pug, PostgreSQL
- **Tools**: Vite, Parcel, Babel, Webpack, Wireshark, Postman
- **Version Control**: Git, Subversion, Mercurial

EDUCATION

University of Nevada, Las Vegas   **Aug. 2019 – May 2023**
BS in Electrical and Computer Engineering   *Las Vegas, NV*
- Relevant Courses: Data Structures and Algorithms, Advanced Computer Science, Digital Forensics