

Joshmar Morales

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WORK EXPERIENCE

JCM-Global

Aug. 2023 – Aug. 2024

Software Engineer

Las Vegas, NV

- Enabled seamless device communication by developing real-time multi-threaded applications and BSP drivers for a network adapter, ensuring reliable connectivity between devices and a web server.
- Enhanced data accessibility and decision-making by building RESTful APIs, enabling efficient delivery of field product data to the backend server of the web application.
- Boosted player engagement and revenue by implementing new features, leading to a 10% improvement in EGM gameplay and expanded networking capabilities for gaming systems.
- Minimized operational disruptions by resolving critical bugs, reducing downtimes by 10%, and improving the casino's overall user experience.

PROJECTS

[Jhuv Nutrition](#)

- Built a full-stack e-commerce platform in TypeScript, leveraging React for a dynamic frontend and Node.js for a secure backend.
- Integrated MongoDB for efficient data management, enabling seamless handling of products, users, and orders.
- Crafted a responsive and intuitive user interface using React and Tailwind CSS, ensuring a smooth and engaging shopping experience.

[Personal Portfolio](#)

- Created a professional portfolio with vanilla JavaScript and SCSS, featuring a clean, responsive design that showcases key projects with an intuitive user interface.

[Weather Forecast](#)

- Developed a weather app using vanilla JavaScript and the MVC architecture to fetch and display real-time weather data for cities worldwide, with a responsive, user-friendly interface styled using SCSS.

Drowning Victim Detection Project

- Developed and deployed a TensorFlow and OpenCV-based drowning detection model on the NVIDIA Jetson Nano, achieving optimized performance and enhancing pool safety through real-time monitoring.

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Python, C/C++, HTML, CSS, SQL
- **Frontend:** React, Tailwind, Bootstrap, SASS/SCSS, CSS Modules
- **Backend:** Node.js, Express, MongoDB, PostgreSQL, Pug
- **Tools & Technologies:** Vite, Parcel, Babel, Webpack, Postman, Wireshark, Xcode Simulator
- **Deployment Platforms:** Netlify, Railway, Vercel
- **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