

Joshmar Morales

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WORK EXPERIENCE

JCM-Global

Software Engineer

Aug. 2023 – Aug. 2024

Las Vegas, NV

- Developed real-time, multi-threaded applications and BSP drivers for a network adapter using C, enabling seamless device communication and reliable connectivity with a web server.
- Built RESTful APIs in C using gSOAP and XML, enabling efficient delivery of field product data to the backend server for enhanced accessibility.
- Implemented new features in EGM gameplay using Python, including a promotional campaign that boosted player engagement and revenue by 5%.
- Expanded networking capabilities for gaming systems by integrating DHCP in the adapter firmware, enhancing connectivity and system performance.
- Resolved critical bugs on the network adapter device, minimizing operational disruptions, reducing downtimes by 10%, and improving the casino's overall user experience.

PROJECTS

[Jhuv Nutrition](#)

- Built an e-commerce platform in TypeScript, leveraging React for the frontend and Node.js for the 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.

[CV25 Portfolio](#)

- Personal portfolio website developed using Next.js and styled with Tailwind CSS, showcasing projects and skills in an optimized and visually appealing format.

[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.

[Bluelock Drowning Detector](#)

- 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:** C#, TypeScript, JavaScript, Python, SQL, C, C++, HTML, CSS
- **Frontend:** React, Next.js, Tailwind, Bootstrap, SCSS
- **Backend:** .NET (ASP.NET, .NET Core, MVC, Entity Framework), Node.js, Express
- **Databases:** MongoDB, PostgreSQL, MSSQL
- **Tools & Technologies:** Postman, Wireshark, SSMS, JIRA, MS Office 365, Docker, Figma
- **Version Control:** Git, Subversion, Mercurial

EDUCATION

University of Nevada, Las Vegas

BS in Computer Engineering

Aug. 2019 – May 2023

Las Vegas, NV