JOSHMAR MORALES

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EDUCATION

Master of Science in Computer Science **University of Nevada, Las Vegas**
🗹 4.0 📅 Aug 2025 - May 2027

- Relevant Coursework: Artificial Intelligence, Analysis of Algorithms, Databases, Compilers

Bachelor of Science in Computer Engineering **University of Nevada, Las Vegas**
🗹 3.7 📅 Aug 2019 - May 2023

- Relevant Coursework: Data Mining, Data Structures, Discrete Math, Embedded Systems

WORK EXPERIENCE

Software Engineer **JCM Global**, Las Vegas, Nevada
</> C/C++ Python SQL 📅 Aug 2023 – Aug 2024

- Developed multi-threaded applications and low-level firmware for a network adapter in C, enabling seamless device communication and improving data transmission efficiency by 20%.
- Built RESTful APIs in C using SOAP and XML, enabling efficient delivery of field product data to the backend server and reducing data retrieval time by 30%.
- Implemented new features in slot machine gameplay using Python, including a promotional campaign that boosted player engagement and revenue by 5%.
- Integrated DHCP into adapter firmware, reducing manual configuration by 50% and enhancing connectivity for 1,000+ gaming systems.
- Resolved critical bugs on the network adapter device, minimizing disruptions, reducing downtimes by 10%, and improving the casino's overall user experience.

TECHNICAL SKILLS

- **Languages:** Java, Python, TypeScript, SQL
- **Frontend:** React, Next, Vite, Tailwind
- **Backend:** Spring, J2EE, Node, Express
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Software:** IntelliJ, Visual Studio, PyCharm, Postman, Docker
- **SDLC:** Agile, Scrum, CI/CD, Jira, GitHub, DevOps
- **Cloud:** Amazon Web Services (AWS)
- **Version Control:** Git, SVN

PROJECTS

Jhuv Nutrition **Full Stack App**
</> React Node TypeScript Express Tailwind MongoDB NoSQL ⬤ nutri-store-app-v2

- 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.

Bluelock Drowning Detector **Machine Learning Project**
</> Python TensorFlow OpenCV Jupyter Anaconda Deep Learning ⬤ bluelock-drowning-detector

- Developed a drowning detection model using TensorFlow and OpenCV, achieving 92% accuracy through image processing and object recognition.
- Deployed the model on an NVIDIA Jetson Nano, enabling real-time pool monitoring and reducing emergency response time by 30%.

Egolift University **Full Stack App**
</> Java Spring React SQL

- Developed a full-stack web application using Spring Boot, React, TypeScript, and PostgreSQL.
- Built features that deliver courses and interactive activities focused on fitness routines.