


# JOSHMAR MORALES

California | Washington | Remote


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## WORK EXPERIENCE

Software Engineer

 C C++ Python

JCM Global, Las Vegas, Nevada

 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, Kotlin, JavaScript, TypeScript, SQL
- Frontend:** React, Jetpack Compose, Next, Vite, Tailwind
- Backend:** Spring, J2EE, Node, Express
- Java Tools:** JUnit, Mockito, Maven, Lombok, Hibernate
- Databases:** PostgreSQL, MySQL, MongoDB
- Software:** IntelliJ, Visual Studio, Android Studio, Postman, Docker
- SDLC:** Agile, Scrum, CI/CD, Jira, GitHub, DevOps
- Cloud:** Amazon Web Services (AWS)
- Version Control:** Git, SVN

## PROJECTS

Jhuv Nutrition


 React Node TypeScript Express Tailwind MongoDB MVC

Full Stack App


 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


 Python TensorFlow OpenCV Jupyter Anaconda

Machine Learning Project


 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%.

CV25 Portfolio

 React Next TypeScript Tailwind


Frontend App

 cv-25


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

## EDUCATION

Bachelor of Science in Computer Engineering

 3.7 GPA

University of Nevada, Las Vegas

 Aug 2019 - May 2023

- Relevant Coursework: Advanced Computer Science, Data Structures and Algorithms, Discrete Mathematics, Data Mining