

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 networking 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.

Sol-Up

Aug. 2022 – Jan. 2023

Electrical Engineer Intern

Las Vegas, NV

- Created detailed electrical schematics, building permits, and safety plans in AutoCAD for over 50 solar panel installations.
- Developed solar panel system quotes, calculated energy production, costs, and profits using Microsoft Excel.
- Conducted site surveys with the installation team, identifying and implementing optimal installation approaches for 100+ projects.
- Collaborated with sales by providing technical insights that contributed to securing contracts exceeding \$100k in value.

TECHNICAL SKILLS

- **Languages:** JavaScript, HTML, CSS, C/C++, Python
- **Front End:** React, Angular, Bootstrap, SASS/SCSS, Tailwind,
- **Back End:** PostgreSQL, MongoDB, NodeJS, Express
- **Networking:** HTTP/S, DHCP, DNS, Telnet, TCP/IP, UDP, FTP, SSH, LAN/WAN, Firewalls, VPN
- **Software:** Jira, Outlook, Teams, Postman, Wireshark, VSCode, Office 365
- **Version Control:** Git, Subversion, Mercurial

PROJECTS

Online Portfolio

- Developed a personal portfolio to demonstrate proficiency in web design and various technologies.
- Highlighted JavaScript skills through interactive web-based video games and applications.

Drowning Victim Detection Project

- Created 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.

EDUCATION

University of Nevada, Las Vegas

Aug. 2019 – May 2023

BS in Computer Engineering

Las Vegas, NV

- GPA: 3.65
- Relevant Courses: Data Structures and Algorithms, Advanced Computer Science, Digital Forensics