JOSE ROBERTO JUAREZ

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Portfolio: https://robertojuarezjose.medium.com/

Full Stack Software Developer with experience in implementing and deploying enterprise applications across diverse environments along with creating prompts and AI assistants for paired programming. Proven expertise in leading the development of custom, complex systems and web applications leveraging technologies including React, ASP.NET Core, Electron, Next.js, and modern UI frameworks. Currently specializing in Cloud and DevOps to drive infrastructure modernization initiatives, adeptly utilizing AWS, Azure, Google Cloud, and Oracle Cloud platforms.

EDUCATION   GPA: 3.7

The University of Texas at San Antonio - Bachelor of Science, Computer Science

Concentration: Software Engineering

Languages & Frameworks:

C# | ASP.NET Core | React | Next.js | JavaScript | Python | JQuery

UI & Tools:

Material UI | ShadCN | Tailwind CSS | Cursor AI | Visual Studio | Git & GitHub | Postman | Axios | React Query | ChatGPT | Redis & Redis Bloom | Hangfire | Seq & serilog

Cloud & DevOps:

AWS | Azure | Google Cloud | Oracle Cloud | Terraform | Ansible | Docker

EXPERIENCE

OP Computer Business Solutions – Full Stack Software Engineer   May 2024 – Present

- Developed APIs, UI, and designed database schemas for enterprise logistics and Warehouse Management Systems (WMS), significantly enhancing efficiency in commercial trade operations with a primary focus on WMS functionalities.
- Implemented comprehensive Cyclic Inventory operations and reporting modules, alongside automated order processing using FIFO methodology using complex stored procedures.
- Designed and developed critical system features, including Lot Pallet Number (LPN) management, direct order processing, repack order handling, and dynamic ordering based on SKU and LPN criteria.
- Optimized the original system architecture to introduce enhanced functionalities, significantly improving core operational capabilities such as picking, sorting, inbound, and outbound logistics.
- Streamlined departure scanning operations for LPN, boosting accuracy and reducing processing time.
- Built several monitoring tools to track cargo box statuses, ensuring continuous visibility from warehouse entry through broker inspection, thus maintaining complete lifecycle management using advanced javascript strategies along with APIs for data fetching.
- Contributed to developing monitors for tracking document processing workflows, ensuring efficient and transparent documentation handling.
- Deployed projects remotely to a private cloud environment

Rocket Labs Technologies – Software Developer   Jan 2023 – Nov 2024

- Designed and developed scalable web applications using ASP.NET Core for backend services and Next.js/React for frontend development, ensuring robust performance and maintainability
- Architected database schemas, API endpoints, application flowcharts, and user interfaces, aligning technical implementations closely with business objectives.
- Led project teams of 1-3 developers, overseeing major feature implementations, technical decisions, and overall technology stack selections.
- Managed complete project lifecycle in a startup environment, including requirements gathering, technology evaluation, cost analysis, full-stack development, and deployment.

H-E-B Digital – Co-op Software Engineer   Aug 2022– Dec-2022

- Developed a unified OneLogin authentication application using Flask and React, enhancing security and user accessibility.
- Actively participated in Agile sprints, collaborating with team members and a Scrum Master to meet project deadlines.
- Designed and integrated a secure landing page with SAML authentication, ensuring a seamless user experience.
- Utilized GitLab CI/CD pipelines to automate testing and deployment, reducing development cycle time.

PROJECTS

Enterprise Logistics Monitoring System

- Developed a real-time logistics monitoring platform that provides analytics on shipping, warehouse operations, and trade compliance.
- Integrated live data tracking with warehouse management tools to optimize supply chain operations.
- Tech Stack: ASP.NET, C#, MySQL, MongoDB, jQuery, JavaScript

Document Storage System (*ERP System*)

- Built a secure, scalable document storage platform for managing PDF files, integrated with robust web-based authentication.
- Deployed the application on AWS and managed performance through DevOps best practices.
- Automated data retrieval and storage processes using cron jobs, ensuring timely updates to a MySQL database.
  Tech Stack: PHP, MySQL, JavaScript, AWS, DevOps

User Authentication Dashboard

- Created a multi-functional authentication dashboard with React and Flask, supporting SAML and OAuth protocols.
- Optimized backend API performance, reducing authentication time by 30%.
- Implemented role-based access controls for enhanced security and user management.
  Tech Stack: React, Flask, Docker, GitHub, MySQL