Juan Pablo Cerda

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⭘ github.com/MrJuanPabloTheCreator 💼 juan-pablo-portfolio.vercel.app/

EXPERIENCE

Missouri Valley College   **Marshall, MO**
Web Development Intern   Jan 2024 – May 2024

- Developed website structure system redesign proposal during the IT infrastructure refresh project.
- Utilized the NextJS framework to enable server-side rendering capabilities and improve SEO performance.
- Assisted in generating reports using the Argos Reporting tool and SQL queries to extract and analyze data from various institutional databases.

PROJECTS

Paw Paradise (React, Typescript, Google OAuth, AWS RDS, S3)   ⬈

- Designed and developed e-commerce platform with integrated user authentication mechanisms, including account creation, Google OAuth, and an admin panel for product listing and management, ensuring protected routes against unauthorized access.
- Engineered algorithms to merge and synchronize local storage data of unauthenticated users with the cloud-hosted database upon user login, ensuring seamless data transition and data integrity
- Achieved $O(1)$ time complexity comparisons between store items and user-saved/user-cart items to dynamically highlight product state based on user data.
- Optimized database performance by implementing a connection pool for efficient connection reuse.

JP-Hospital (React, Typescript, MySQL)   ⬈

- Healthcare specialist search and scheduling platform that enables customers to find nearby professionals based on their location and specialty needs.
- Developed an algorithm that interacts with a third-party API to effectively translate any provided zip code into geolocation coordinates, enabling the comparison and identification of the closest professionals.
- Designed and implemented a relational database system to efficiently manage staff, specialties, users, and appointments information, utilizing AWS RDS for secure and scalable storage solutions.

EDUCATION

Missouri Valley College   **Marshall, MO**
Bachelor of Science in Computer Information Systems   May 2024

CERTIFICATIONS

Amazon Web Services   **Salt Lake City, UT**
- Certified Cloud Practitioner   July 2024

SKILLS & TECHNOLOGIES

Spanish | Cloud Computing | System Design | DB Management | SDLC | RESTful API Development | Version Control
Data Structures | Scalable Solutions | SQL | Python | JavaScript | TypeScript | C | C++ | HTML | CSS | React | Node JS
Express JS | Next JS | MySQL | MongoDB | AWS (DynamoDB , RDS, S3, ECR, ECS, ELB)