




# Juan-Pablo Cerda

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 [github.com/MrJuanPabloTheCreator](https://github.com/MrJuanPabloTheCreator)  [juan-pablo-portfolio.vercel.app/](https://juan-pablo-portfolio.vercel.app/)

## EDUCATION & CERTIFICATIONS

**B.S. Computer Information Systems**, Missouri Valley College

May 2024

**AWS Certified Solutions Architect - Associate**, Amazon Web Services

Sep 2024

## EXPERIENCE

### Chenmed

**Miami, FL**

IT Process Analyst

Feb 2025 – Present

- Provided actionable insights on IT asset usage and lease compliance, analyzing and categorizing assets to inform strategic decision-making and optimize lease agreements adherence.
- Developed and integrated custom algorithms to automate IT asset identification and categorization, achieving increased efficiency and accuracy.
- Spearheaded data compliance efforts, leading the disk wiping process to ensure timely disposal of sensitive data, meeting deadlines and maintaining a high level of operational efficiency.

### Missouri Valley College

**Marshall, MO**

Web Developer

Jun 2024 – Dec 2024

- Developed a comprehensive website structure redesign proposal as part of the IT infrastructure refresh project.
- Gathered and documented website requirements from various institutional authorities to elevate user experience, user interface, accessibility, readability and responsiveness.
- Designed a modern UX/UI with React and Next.js, applying custom CSS animations to elevate interactivity, optimize development efficiency, and enhance SEO through server-side rendering.
- Assisted in generating BI reports utilizing the Argos Reporting tool and SQL queries to extract and analyze data from various institutional databases.

## PROJECTS

### JPChat - React, NodeJS, API Gateway, Lambda, DynamoDB, Cloud Front, S3, OpenAI API



- Developed a real-time chat application leveraging AWS serverless capabilities, ensuring high availability, scalability, and efficient resource management.
- Implemented WebSocket connections via AWS API Gateway to enable real-time, bidirectional communication, dynamically updating user connection IDs on connect and disconnect using Lambda functions and DynamoDB.
- Created a custom AI chatbot leveraging OpenAI API, trained on personalized datasets for tailored interactions.
- Integrated a RESTful API to streamline user management processes, including secure JWT token generation and authentication.
- Deployed front-end static assets to AWS S3, leveraging CloudFront as a CDN to enhance global reach and caching for improved user experience.

### Paw Paradise - React, Typescript, Google OAuth, AWS MySQL, S3



- Built an extensive e-commerce platform featuring robust user authentication, including account creation, Google OAuth integration, advanced search, filtering, and user-specific storage functionalities.
- Integrated a secure, role-based admin panel for product management, with strict access control and protected routes to ensure data security and compliance.
- 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, AWS MySQL***



- Healthcare specialist search and scheduling platform that enables customers to find nearby professionals based on their location and specialty needs.
- Developed algorithms that seamlessly interact with third-party APIs 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.

### ***SKILLS & TECHNOLOGIES***

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