

RAUL JOSE PEREZ

Senior Software Engineer / Enterprise Architect / Inventor

Los Angeles California



As a Vice President of IT in a global technology firm, I realized my career achievement, with a unique opportunity to create an international credit card interchange and settlement system designed for public or private cloud deployment. This system was highly efficient Cloud architected and well ahead of its time, Deployed as virtual appliances without affecting existing infrastructure. It automates administration and scalability, extends organization business rules. This enterprise-level system managed acceptance and settlement of domestic and international credit card transactions - over 100 million a year, with foreign currencies, exchange data with all major banks, acquirers, issuers and processors, Importing data to the corporate mainframe, brand-holders, and business partners. Device and Supervised 3 Datacenter migrations successfully and security never breach in 15 years. Developed the integration of Discover Financial Services, incorporating flexible field mapping, translating EBCDIC on the fly, resulting in a high-volume web-based scalable solution. Advanced a MySQL Reporter and Data Transformation system for UNIX in C++ and PHP/MySQL, high speed, high-reliability financial reporting with group-based security. Set up development environments, automated testing, and deployment, with data warehousing capabilities, server virtualization. Coordination of day-to-day system operations and PCI regulations security auditing.

WORK EXPERIENCE

Vice President IT Management

JCB | JCB International Credit Card CO. LTD. | LA, CA. | 2000 - 2020

Managed and assisted in planning and implementation of all modifications, supporting international infrastructure for JCB Global Credit Card Brand.

- Created a settlement system, which continuously ran for 15 years without any issue, capable of advanced analytics processing 350,000 to a million transactions a day, totaling 600 million transactions, operating as a data warehouse system, utilized for marketing and research applications, and corporate reporting.
- Delivered hands-on networking knowledge and implementation of several data center sites (Switch Las Vegas and Alchemy Los Angeles) and system migrations.
- Implemented network security in conjunction with our Corporate business unit headquartered at Tokyo, in a highly-regulated and audited environment, Partner with all major brands worldwide.
- Oversaw the administration and maintenance of the company's infrastructure while providing coordination management to IBM technical personnel, vendors, and partners.
- Responsible for data communication and secure network, including video and voice, for 15 branches and 30 remote offices. Manage integration network with 32 (US/Canada/Latin America) Banks.
- Constructed complex HA Firewall implementations, auditing, and security penetration exceeding requirements of PCI regulations
- Design complex systems development, in addition to software acquisitions providing expertise in security, and innovations in the industry.
- Proposed, planned, and prepared budgets for renewals, upgrades, and expansions partners like Discover Financial system following their regulations.

MIS Director

GoldLine International. | Santa Monica, CA. | 1992 - 2000

I drafted and implemented a Precious Metals Trading System as an enterprise solution for 100 traders and over a million accounts with biannual statements and radio advertising analytics for marketing.

- Developed a system to track investment accounts portfolios of precious metals and collector coins and their locations at depository banks in the USA and Switzerland, as well as all financial and tax reporting.
- Controlled budget for several projects of technical consultants and implicated vendors as well as grew relationships with bank depositories and service providers.
- Produced quality technical documentation and reports with network diagrams.

IT Manager

Rockview Farms | Downey, CA | 1990 - 1992

I was in charge of Installation and managed a mobile point of sale and inventory control for truck fleet and logistics within the dairy business.

- Supervised general office operations for 30 users in a UNIX environment.
- Collaborated with vendors/software consultants, enhanced hardware upgrades, and support contracts.

Office Automation Systems Specialist

Warner Bros. Studios | Burbank, CA | 1988 - 1990

Deployed an interconnected system to a mainframe that managed Home Video licensing for the media studio.

- Effectively managed large capital projects, including budget, development, and implementation.
- Assisted with the international corporate budget consolidation and reporting system enhancements.
- Ahead of its time, introduced an innovative fax gateway and an internal e-mail system for communication within the company.

PROJECTS

Transmission Patent

Patent

The invention of a novel Hydraulic Transmission, currently in a prototype development phase.

Calling Card System

Communication Startup

Own Design implemented a startup. Specialized in voice calling long distance for commercialization within the Japanese market

Web Reporting and Data Transformation System

Proprietary

Fast and highly reliable enterprise reporting alternative to Industry (Jasper Reports or MS SQL Server Reporting Services (SSRS))

INFORMATION

Patent Abstract :

A transmission system for transmitting a rotary motion input to a rotary motion output utilizing hypocycloid motion multiplication is disclosed. The system comprises an input mechanism, at least one hydraulic transmission means an output mechanism and an output bladder linkage. The input mechanism includes a plurality of rollers that each capture at least one arcuate linkage against an inside surface of a cylindrical hub, causing the linkage to rotate as the roller traverses there across and compress one of a plurality of input bladders. The compressed input bladders cause an output bladder to expand to drive the output mechanism in reciprocal linear motion, in which the output mechanism converts to rotational motion at the rotary motion output. The output mechanism can be located proximate to, or distal from, the input mechanism.

EDUCATION

BSc Computer Science (Systems Engineer)

UBA University of Buenos Aires, Argentina.
1975 - 1980

AWARDS

Certify Security

EMV - PCI - Regulations - PenTest
2019

Award Developer

ScriptCase
2016

SKILLS

Technical

JavaScript / React / Hugo / VSCode / Sublime

PHP / Python / Node.js / Gatsby.js

ScriptCase Web Rapid Development Environment.

MySql / PostgreSQL / MS SQL / Oracle.

Aguile and Object-oriented design methodologies.

Design and implement enterprise database structures.

Lead and deliver complex software systems.

Professional

Effective communication.

Team creator, leadership, or player.

Strong problem solver.

Skilled time management.

Experience team builder.

Penetration security assessment.

Budgets and Contract revision.

Security Regulation and Auditing.

LANGUAGES

English (Professional)

Spanish (Native)

INTERESTS

Cycling

Scuba Diving

IoT sensors / Arduino Dev.

Electronics

Mechatronics

Creative art

3D Printing