

Joaquín Esteban Ponte Díaz

Enterprise Solution Architect
+1(650)304-9661(New Jersey, USA) – Skype: jpontdia
joaquin.ponte@gmail.com

Over 28+ years of experience in IT consulting and enterprise system development, implementation of critical mission and technological transformation projects in banking, health care, insurance, government, and higher education.

Objective:

Provide a technological vision and leadership to develop and implement IT initiatives capable of creating and maintaining organizations in a leading position within a highly competitive and constantly changing market.

Experience Summary:

Held different positions from Software Solution Architect with Java technology and SOA-BPM integration, executive positions too, as responsible for managing and aligning IT projects with business strategies, as well as coordinating the efforts of external vendors in the generation of processes and components for achieving objectives.

Specialized in cloud development with Red Hat OpenShift and Microservices in Spring boot, with a specific focus on Enterprise integration between multiple technologies and legacy applications. Vast experience with multiple application servers like WebLogic, Jboss, Tomcat, and Glassfish, as well as middleware platforms like ActiveMQ, RabbitMQ, Red Hat Fuse, BRMS, and Apache Camel. DevOps automation deployment pipelines and performance engineering with cloud security.

Solid hands-on experience using Spring Boot, Spring Framework Core, Spring Cloud, Spring Integration, Hibernate, and Microservices. Current Technology stack: Java 11, Spring boot 2.2.6, JEE JMS, JPA, Maven 3.6, Gradle 5, Swagger 2, OpenAPI 3. Development of REST microservices, SOAP endpoints, and Queue based applications with Spring Boot and Apache Camel. Spring sleuth and Zipkin Server for HTTP trace. Deployment: Bitbucket, Docker, Jenkins, SonarQube, and Veracode. Red Hat Enterprise Linux 7, Microsoft SqlServer, Oracle MySQL, Apache ActiveMQ 5, and OpenShift 3.11.

Over 20+ years of experience, working with Java and JEE stack, developing solutions for complex enterprise applications, backend components, and web portals. 28+ years of experience working with relational databases: Oracle, Microsoft SQL Server, Sybase, Informix, MySQL, Postgress. The last 5 years working with NoSql platforms: MongoDB, Apache Cassandra, and Red Hat DataGrid.

Key Competencies:

<ul style="list-style-type: none">• Enterprise Solution Architect• Digital transformation projects• Breaking down monolithic applications and creating business models• Project Execution, Management, and Delivery• Business Process Improvement• Leadership	<ul style="list-style-type: none">• Automation, analytics, and integration of the software delivery cycle• Business & IT Alignment• Large-scale custom development• Customer / Client / Vendor Management• Performance Assessment & Improvement
--	---

Education:

Master's Degree. Project Management. UNITEC. 2020
Bachelor's Degree. Computer Science. IPN UPIICSA. 1994

Publications:

GitHub: <https://github.com/jpontdia>
Dev.to: <https://dev.to/jpontdia>
Linkedin: <https://www.linkedin.com/in/joaquinponte/detail/recent-activity/posts/>

PROFESSIONAL EXPERIENCE

MUFG BANK. Jersey City NJ, USA.

Sep 2019 – to present

Role: Software Architect

Project Description: Avalon 2 and 3 are a multi-phase business transformation projects whose primary aim is to integrate and consolidate the transaction banking platforms (channel and core product-processing systems) of MUFG union Bank (MUB) and MUFG Bank Ltd.'s (MUFG) US Branches. This will allow transaction banking in the US to provide a higher level of functionality and service to MUFG clients more cost-effectively and efficiently. Transformation of the Transaction Banking Payments & Receivables platforms to support the business growth, bring product parity, elevate the client experience, adhere to compliance, and align the Technology footprint with the enterprise strategy of a unified MUFG.

Responsibilities:

- Participate in the overall design and architecture and the implementation and enhancement of the digital experience platform. Facilitate the implementation and adoption of new frameworks, tools, and technologies.
- Create and provide best practices for software development and CI/CD pipelines with Spring Framework, Java 11, test units, integration testing, and SonarQube with deployment in Cloud Red Hat OpenShift 3.11
- Create and maintain project templates for docker images/containers for different technology stack. Align library dependencies to meet the bank security guidelines.
- Collaborate with key partners and teams to define a cloud operating model
- Work with technical leaders to write and review technical specifications as required, meeting the objectives of functional specifications. Specifically, identifying interfaces, methods, parameters, procedures, or functions as required.
- Manage the end-to-end development cycle from requirements analysis, coding, testing, and maintenance.
- Ensure components meet all non-functional requirements (Security, Compliance, Performance, SLA/SLO, etc.)
- Design and implement user interface applications with Angular 10. Implementation of Spring Security for authentication-authorization and management of security roles (LDAP server)
- Provides technical expertise and advice to programmers and other departments.

Technologies: Java 11, Spring boot 2.2.8, JEE JMS, JPA, Maven 3.6, Swagger 2, OpenAPI 3. Development of REST and SOAP microservices. Queue based applications for Multi-vendor system integration with Spring Boot Apache Camel and ActiveMQ. Spring sleuth and Zipkin Server for HTTP trace. Angular 10 Web applications and Spring Security with JWT and LDAP. Deployment: Bitbucket, Docker, Jenkins, SonarQube, and Veracode. Red Hat Enterprise Linux 7, Microsoft SqlServer, Oracle MySQL, Apache ActiveMQ 5, and OpenShift 3.11

Bestbuy. Richfield MN, USA.

Aug 2018 – Sep 2019

Role: Software Architect

Project Description: BestBuy Enterprise Service Platform (ESP). Homegrown development platform to enable the development of cloud-native solutions and deploy in either on-premise or public cloud setting. Provide the enterprise with a standard API development platform that allows them to build high-quality services that are cost-effective, consistent, resilient, and with a short time to market.

Responsibilities:

- Upgrade and improve the current development framework and Continuous Integration Pipeline with an agnostic cloud platform approach.
- Provide best practices and improve the automation scripts to create docker images and automatic deployment and promotion, based on the unit and integration testing.
- Working closely with operational resources to update their on-premise practices and architectures to include cloud service technologies.
- Articulate the architecture vision, conceptualize, and experiment with alternative architectural approaches.
- Create models and components and interface specification documents.
- Validate the architecture against requirements and assumptions.
- Working closely with the application, network, and security teams to ensure requirements are reflected appropriately in the cloud architecture design patterns.
- Prepare documents and explain the architecture to sponsors and stakeholders.
- Lead technical discussions related to new functionality, products, and framework and ensure the code developed is reusable and configurable.
- Be actively involved in the estimation process and reviews for the projects.

- The leadership of development/project teams in an agile environment (SCRUM)
- Provide architect solutions to implement engineering requirements. Ensure the best practice and design pattern is adapted and provide scalability secure solutions.
- Development and maintenance of applications related to data acquisition, data processing and visualization.
- Build early prototypes of product components and validate them for technical design and performance.

Technologies: Java JDK 8, 11, Maven, and Gradle 5.1. Spring MVC 4, Spring 5, Spring Boot 2.1.3, Spring Integration, Spring Sleuth, Spring Admin UI, Zipkin Server for HTTP trace, Apache Camel, Spring Data and JDBC. Netflix Eureka, Ribbon, Hystrix, Zuul, Zookeeper, and RxJava. Red Hat OpenShift 3.7. Swagger API and Swagger CodeGen. Design of ReactJs Architecture and infrastructure components for Web development. GIT - Bitbucket and Jenkins for continuous integration, declarative pipelines, groovy, SonarQube, Python, OpenShift Client, Docker, Kubernetes ConfigMaps. RabbitMQ Message Broker. Red Hat Enterprise Linux, CentOS 7. Databases: Oracle, Microsoft SQL Server, Apache Cassandra, Memcached. Project management tools: Atlassian Jira and Confluence

CISCO. San Francisco CA, USA.

Sep 2017 – Aug 2018

Role: Software Architect

Project Description: CISCO Entitlement Framework. The objective of the Entitlement Framework is to provide services and processes that enable a “Who gets access to what?” entitlement decision for all Cisco business services. The framework enables a tailored user experience via defined personas and robust access controls to technical support, software downloads, service deliverables, intellectual property, web content, and other service assets. EF standardizes service delivery through user-based policies and rights management, and by leveraging an integrated “One-Cisco” registration process.

Responsibilities:

- Extensive hands-on experience and expertise in object-oriented and functional design methodology using Java/J2EE, and knowledge building modern service applications on the cloud on frameworks like Spring Boot and Red Hat OpenShift.
- Ensure adherence to architecture principles (performance, agility, reuse, etc.) and conceptual completeness of technical solutions; ensuring solutions are loosely coupled and perform well across global deployments.
- Drive meetings with subject matter experts from all areas of the business including Infrastructure, Applications, Vendors, Architects and Leads to seek input from and plan/coordinate migrations, resource requirements, and timelines.
- Design and implement secure cloud microservices applications using internal CISCO cloud infrastructure and platform services.
- Ensure appropriate links with other projects and strategies within the company and ensure that appropriate ownership is taken of risks and dependencies between projects is identified and managed appropriately. Work with internal clients and teams acting as a technical specialist.
- Define and enforce infrastructure architecture standards, best practices, procedures, metrics, and policies.
- Build reusable solutions in terms of microservices components and libraries to address business strategies. Optimize the applications for maximum speed and scalability, implementing security standards and data protection.
- Propose architectural vision, concepts, and possible approaches to the client's requirements. Ensure that designed solutions are sustainable, reliable and robust.
- Project One Identity. Spring Web Flux for asynchronous non-blocking webservises. Red Hat OpenShift Cloud platform. Configuration of Consul for service discovery and Vault for secrets management on MariaDB. Databases: Elasticsearch with Kibana, MongoDB, MySQL (MariaDB), ReactJs

Technologies: Spring Web Flux, Spring Boot 1.5. Microservices API, Swagger. Java 8, Multithreading applications. Docker-Kubernetes. Hibernate, JDBC, and Spring Data Applications. ReactJs and NodeJs with spring integration. Jenkins and SonarQube for inspection and code quality. Apache Kafka. Legacy applications: Migration from SOAP and REST (JAX-RS, JAX-WS), JAXB, JMS, Hibernate, JDBC. Databases: Oracle, Microsoft SqlServer, MongoDB, And Elasticsearch. Atlassian Jira and Confluence.

IKE Insurance Services. Mexico City, Mexico

Mar 2017 – Ago 2017

Role: Java Software Architect

Project Description: Enterprise Digital Transformation Project. Architecture and development of Microservices SOA cloud platform for an Insurance carrier with Java. The objective of the platform is to place order services from insurance companies to roadside assistance providers (vehicle towing).

Responsibilities:

- Architecture for Microservices API SOA Platform for the Insurance carrier, with services orchestration on site and on cloud (Heroku Cloud Platform). Message broker RabbitMQ for asynchronous process communication using AMQP protocol.
- Cloud Postgres Database for the microservices data store.
- Re-engineering of monolithic WebApps Java legacy systems with Microsoft SQL Server 2010 to microservices architecture.
- Spring boot for the java microservices. Java 8, Maven 3.5, Spring boot 1.5.4, Swagger REST API, JPA Hibernate, Microsoft SQL Server, Postgres, RabbitMQ 3.6.10.
- Write software infrastructure/guidelines based on best practices to produce code more efficiently saving development time as well as increasing the quality of the product.
- Functional and integration testing with Spring Junit and AssertJ. Used SoapUI and JMeter for test functional behavior and measure performance.
- Load balancing, scale and fault tolerance architecture using Heroku
- Continuous integration pipeline with GIT and Heroku.
- Proof of concept for alternate microservices technologies with JEE7 and WildFly Swarm 2017.5.0 as the application server, deployment on Heroku cloud. JMeter for performance and test functionality. Generated POJO Model from XML Schema (XSD) using JAXB. Service execution log request with ticket receipt, ActiveMQ, and Postgres Database. Technologies: Git, Java8, Maven 3.5, JEE 7, JAX-RS 2, CDI 2, EJB 3.2, JPA 2.1-Hibernate 5, JSON, JAXB 2.2, JMS 2.
- Develop RESTful web services using Spring JDBC with Hibernate as the persistence provider.
- Analysis, documentation, and mapping of all processes related to customer relationships.

Technologies: Java 8, Spring Boot, JEE7, JAX-RS 2, EJB 3.2, JPA 2, CDI 2, JPA 2.1 Hibernate, Jboss, Heroku, Postgres, and SqlServer Database, Git, Maven 3.5, Swagger, Agile Development, Project Management with TeamWork Planner and Atlassian.

Monterrey Institute of Technology and Higher Education. Monterrey, Mexico

Jun 2015 – Feb 2017

Role: IT Director of Alumni and Gift Systems

Project Description: Implementation of the process of gift processing, invoice management, and alumni and strategic relationships in Salesforce. Customization of Salesforce platform for the philanthropy process, Mexican government, and International relationships.

Responsibilities:

- Reports directly to the Assistant Vice President of Development and maintains close working relationships with the Vice President of Institutional Advancement, school-based Development Officers, central Development staff, the Alumni Association, and the Foundation. Responsible for two major program areas: information services and gift processing, the management oversight of the development and implementation of the university's fundraising database and prospect management system. Responsibilities include preparing management reports, systems documentation, records maintenance, use and support of computer-based information systems, reconciliation and transfer of funds to appropriate accounts, logging of all gifts on the database, and direct supervision of general office staff. Also, include the receipt, accounting, reporting, deposit, and acknowledgment of gifts, and pledges from non-governmental sources. Works closely with the general Advancement Services staff to deal with a wide variety of functions relating to the development, implementation, maintenance, documentation, use, and support of computer-based Development information systems. These systems currently include an Alumni-Development database. I developed four strategic projects for the university:
- Web Portal for Multiple donation campaigns.
- System for alumni engagement – iModules Platform. Analysis and evaluation of multiple platforms to help the institution build and sustain lifelong relationships with its alumni and supporters. Data management, membership management, social networking integration, web and email design and marketing, online giving, event management.
- System for institutional relationships – CRM Salesforce Platform. Strategic information for our donors, prospects, alumni and government officials. We used the agile development approach to create the platform from ground zero and configuring salesforce according to the business needs. We created a link between biographic data, gifts, pledges, philanthropic projects, institutional events, government and university agreements. Integration of multi-platform data stores
- Backend System for gift processing. Stabilization of the legacy systems for gift processing. We created a deep understanding of data flow between different entities from prospect research to gift processing. We transformed the analysis diagrams in the electronic process in our systems. Automation of gift invoices and accounting process.
- Backend System for gift processing.

Technologies:

Salesforce Platform, Java Systems, Oracle Databases, Data integration from multiple data sources, Legacy Systems, Webservices, Agile development.

Interware. Mexico City, Mexico**Sep 2013 – Jun 2015**

Role: Systems Architect SOA Specialist

Project Description: Multiple projects with different companies as a software consultant, specialist in Red Hat products: Red Hat Fuse, Red Hat BRMS, jBpm, Jboss SOA 5, Jboss App Server.

Responsibilities:

- Buzone Project. Modernization of legacy Mexican Government Invoice and stamping generation system, from Microsoft .Net architecture to JEE SOA Red Hat Fuse. Red Hat Fuse 6.1 for service orchestration (routes implemented in Apache Camel) and message brokers (based on Red Hat AMQ), Jboss EAP 6.2.3. Development of REST and SOAP webservice (javax-ws, javax-rs, apache CXF), Maven 3.2, Java EE 6 and Microsoft SQL Server 2012. Development of Apache Camel routes with ActiveMQ. Development of time services (scheduled EJB) for SAT(Mexico Taxes Ministry) cache-based OAUTH repository for valid authorized security tickets. Installation and configuration of Red Hat Fuse 6.1 in fabric mode, with multiple apache ActiveMQ in master/slave topology. Installation and configuration of JBoss EAP 6.2.3 in cluster domain mode, and apache HTTP with mod_cluster as a load balancer. Development of services based on Spring framework 3. Implementation of JBoss Infinispan 6.0.2 as a cache for applications (list of valid customers and the generation of temporary CFDI's). Implementation of Continuous Integration (CI) development practice, based on Maven, Jenkins, SonarQube. Performed and analyzed the performance of the application using JMeter. Coordination of IT teams from different areas: Infrastructure, applications, project management office, development. Integration with IBM DataPower webservices for validation of CFDI XML files. Integration with Buzon-e java services infrastructure for the generation of electronic invoices.
- Granting credit SOA project at Financiera Independencia. Implementation of SOA architecture for the enterprise process of granting credit. JBoss SOA Platform for orchestration and transformation of data between enterprise systems built with different technologies like Weblogic, Spring, .Net Apps. Development of bpm's with JBoss BRMS 5.3.1 and business rules (drools), Jboss EAP 6.2 for webservices development and Red Hat DataGrid 6 for temporal data storage for log events and analysis of webservices results. Microsoft SQL Server, Sybase, PostgreSQL, MySQL.
- Vehicle tracking project at Omnitrack. Installation and configuration of the system of messages concentrator for vehicle tracking. Included a cluster of Red hat Enterprise Linux 6.5., Cluster of Red Hat Fuse in fabric mode with 5 containers, and 3 ensembles. Configuration of kahadb (ActiveMQ database) using a high-performance File System based on SAN.

Technologies: JDK 1.6, Jboss Fuse 6.1, Red Hat Enterprise Linux 6.5, CentOS 6.5, Jboss SOA platform 5, Jboss Brms 5.3.1, JBoss EAP 6, Red Hat DataGrid 6, Webservices JEE 6, JAX-WS, JAX-RS. Database: Oracle 11, SqlServer 2012, Sybase, MySQL 5, PostgreSQL 9.

Novutek. Mexico City, Mexico**Aug 2011 – Sep 2013**

Role: Systems Architect SOA Specialist

Project Description: Java Software Architect for Mexican Federal Health System at 2 institutions: IMSS and Seguro Popular. Refactoring of several monolithic apps and creation of a core services platform with multiple web front ends and webservices as backend.

- Single Sign-On at IMSS. Configuration of OpenAM Server 10.1 on Tomcat 7 for SSO architecture with OpenDS LDAP. App Servers configured: Weblogic 12c on Windows 8, Linux Ubuntu 13.04 and CentOS. Webapps with JSF2, JDK 1.7 with JDBC Realm in Oracle.
- Institutional framework for Java at IMSS. Migration from Spring MVC, Spring Security, Hibernate 3, Weblogic 10.3.4 to JEE6 with JSF 2, PrimeFaces 3.5, EJB 3.1, javax-rs 2.2. Servers: Weblogic 12c and Glassfish 4. CI/CD Jenkins 1.5, SonarQube 3.7, Microsoft Team Foundation Server TFS 2012
- Architecture of Delta System at IMSS. Development of standards for Java Systems and infrastructure guides. Backend based on JEE5 with EJBs for business logic with con JPA - JDBC in a transactional environment. Frontend with Spring MVC 3, tiles, jQuery 1.6. Weblogic 10.3 and Maven. Configuration of Weblogic in cluster with load balancing. Development of module People Management for Delta System: Weblogic 10.3.4, Spring MVC, EJB3 y JPA2-Hibernate 3.6.9. Glassfish server 3, EJB services, tests with JUnit. Development of webservices for SAT and RENAPO (Mexican Secretary Government)
- Digital Fingerprints Beneficiaries Interchange at Seguro Popular. The building of a high-performance middleware based on JDK 6 for distributed computing on Linux Ubuntu 12, data exchange based on XML Messages with NIST Security for RENAPO (National Register of Population – Mexican secretary of government). The middleware processed the fingerprints in an Oracle 11 repository, checked business rules for image size and quality, and generation of NIST files all in an asynchronous way. The coordination between system components was based on database flags and files in the Linux filesystem. A Web Console was built to monitor the components of the middleware and query beneficiaries' information, Weblogic 12c with JSF2 and PrimeFaces 3.4. Other technologies used: EJB 3.1, Servlet 3, JAXB XML 2.1, Maven. Installation

and configuration of Sonar Server for quality code metrics in all systems. Best practices and development standardization for 26 systems in production: Migration from ant to maven, Spring Framework 3, jQuery 1.7, y Hibernate 4.1.

Technologies: JEE 5, 6, JDK 1.6, 1.7. Web applications JSF2 + PrimeFaces and Spring + jQuery UI. Webservices javax-ws, EJB 3, Hibernate, JPA, JDBC, Maven. Ubuntu Server 12, 13, CentOS 6.4. Jenkins and Sonar Server. Weblogic 12c, 10.3.4, Apache Tomcat 7, Glassfish 3, Oracle 11. Oracle SOA Suite, BPEL, Oracle ESB

Veracruz University (Division Software Factory). Mexico City, Mexico

Feb 2009 – Mar 2011

Role: Software Architect SOA Specialist

Project Description: Portal TuEmpresa. Member of architect staff for Portal TuEmpresa. Definition of architecture for the Web Portal, the definition of workflows between several Mexican government ministries, and definition of database repository for citizen data and documents in Oracle 10. Application Server Glassfish Enterprise 2.1, Webapps with Struts 2.

Responsibilities:

- Government Platform for official paperwork trading. Design and construction of a middleware system based on Webservices JAX-WS, rest and axis, used by the government for sharing official paperwork between departments. The System is part of the Federal Web Portal "Portal TuEmpresa". Java JDK 1.6, JEE 1.6 NetBeans 6.7.1, Glassfish ESB 2.2, JAXB, Webservices REST & SOAP, Webservices AXIS 1.2, Oracle 11.
- Leader implementing a process architecture for communication and integration for administrative transactions related to opening a new company online between several Mexican institutions. Definition of interfaces for synchronous and asynchronous communications.
- Construction of the institutional Web dashboard for monitoring the delivery and reception of information in Webservices. Apache Velocity Template Engine, JEE5, Servlets, Glassfish 2.1 Enterprise and Oracle 11

Technologies: JEE5, Glassfish Enterprise 2.1, JDK 1.6, Webservices JAX-WS, REST, Apache Axis 1.2, WSDL, JAXB, XLS, Struts 2, Apache Velocity, Oracle 10. SOA ESB, OpenESB.

Freelance, Mexico City, Mexico

Feb 2008 – Feb 2009

Role: Java SOA Architect

Project Description: Independent consultant for multiple client developing enterprise solutions based on Java, systems integrations, and SAP

Responsibilities and projects:

- SPT software. Administrator of market shares for the Mexican Stock Market System (Bolsa Mexicana de Valores). Migration from Borland Delphi technology to Java 1.6 and JEE 1.5. Backend based on Webservices SOAP 1.2 & REST. Microsoft SqlServer and Glassfish v2. System for the processing of the SIVA exchange format. Mexican Stock Market. Migration and redesign from UNIX Perl to Java 1.6. Glassfish v2
- Sun Microsystems. Java system architect for the financial division at SUN Microsystems (through de company Sistemas Humanos). Training for "Lean-Agile Development" for Telmex and BBVA Bancomer.
- Development of a proof of concept for OpenESB to implement SOA in companies. The main achievement was a project for de Venezuelan government using OpenESB orchestrating Webservices from different sources with BPEL. The government chose SUN Microsystems as the main technologic provider for SOA solutions with OpenESB.
- Technical support for the sales team for the Glassfish application server, Banamex, Bancomer, HSBC. For the project HSBC Casa de Bolsa I made analysis tasks for system performance on Unix and WebSphere application servers for the new corporate system for FIX operations.
- ISSSTE. Elaboration of applications for the treasury area and budget of ISSSTE (Mexican Federal Health System). Development in platform SAP Netweaver and SAP XI. Front end in WebDynpro and Backend in Web services on XI.

Technologies: SOA technologies and OpenESB (BPEL, Webservices, ESB Adaptors), Glassfish 2.1, JDK 1.6, Glassfish 2.1, Webservices REST, Jax-ws, SAP Netweaver, SAP XI, SAP WebDynpro, Oracle 10, Microsoft SQL Server

Monex Financial Group. Mexico City, Mexico

Jul 2004 – Feb 2008

Role: Solution Architect

Projects:

- Corporate development framework for the construction of web and Java swing applications. J2EE, EJB's, Apache Axis for webservices, servlets, JSP's, Taglibs, XML configuration files using Castor, and development of business reports using Jasper Reports.
- Analysis and construction of the main operational system for trading market shares and currency exchange. Java Swing, Webservices, JMS, and EJB's.

- Analysis and construction of the company Web Portal.
- Analysis and construction of the document Impression system (Invoices, Contracts, Checks, and remissions). JMS solution with VisualBasic and Java Swing Clients, Weblogic 8.
- Analysis and construction of the system of confirmations of interbank payments. Construction of robots for the confirmation of payments using "internet bank systems" of the Mexican banks (HSBC, Banamex, Bancomer, etc.)
- Construction of the system of mail delivery. Automation of the area of liquidation and connection with the company systems of promotion (trading of market shares and currencies).

Activities:

- Development of integration components for the systems of currency exchange office and stock brokerage office.
- Development of systems based on Java and BEA Weblogic App Server, oracle database as the main component for the valuation of investment portfolios.
- Integration between Microsoft Visual Basic y Java using SOAP webservice.
- Implementation of standards of construction and development of systems.
- Analysis of business requirements, generation of project plans, development of proof concepts, and construction and production lunch of systems.

Technologies: Java 1.4. Java Swing, J2EE, Ejb's, JMS, WebApps JSP, Servlet, Taglibs, XML Castor, Jasper Reports, Weblogic 8, Jboss 4, Microsoft Visual Basic, Oracle. Unix Solaris, Ubuntu Server.

Rapidsist. Mexico City, Mexico

Jul 2002 – Jul 2004

Role: Solution Architect

Activities:

- Development of version 2 of the RENAVE (Vehicular National Registry). Construction of the backend for the record to carry and the Web portal of resource management. Technology used: Bea WebLogic Integration, Web services, Web logic Server
- Analysis and construction of the system of costs and budgets for company FECSA (farming industry). Technologies: JBoss, Web Portal, servlets, EJB's.
- Analysis and construction of the system of generation and delivery of banking credit cards (TECSIS). Developed with technologies: Oracle Application Server OAS, Red Hat Linux, and Handheld scanners.
- Analysis and construction of the system prototype of the national public security system proposed by company MEXCONSA for the Mexican Federal Government
- Monex Project: Generation of java standards and infrastructure for corporate systems. Implementation of Weblogic App Server in cluster Mode with load balancing
- Architecture for Monex Corporate Portal. Generation of corporate server components for frontend and backend.
- Development of system security based on functional base roles. J2EE based authentication and custom authorization.
- Development of INFOSEL News tickets System. Import and share information from INFOSEL feed to the main backend system for trading currencies and shares. Custom Middleware built on JMS, Webservices, EJB. Weblogic 8.
- Architecture for JavaSwing applications and Webservices with Weblogic.

Technologies:

SOA, Weblogic Integration, BEA Weblogic 8, Java 1.4, Java WebApps with JSP, Servlets, Taglibs, Jasper Reports, Castor XML, Webservices Apache Axis, Jboss, Oracle OAS, Oracle Database.

Interacciones Financial Group. Mexico City, Mexico

Jul 2000 – Jul 2002

Role: Java Project Leader

Activities:

- Systems integration between components of all Financial Group: bank, insurance office, and stock trade house.
- Generation of standards for system construction in Java.
- Analysis and management of business requirements.
- Project: Analysis and construction of the company web portal.
- Project: Integration in the web portal the backend process of the trading operations of the market shares (first portal in México for trading market shares). Java and WebLogic Server.

Technologies:

Java 1.2, 1.4. WebLogic Portal, WebLogic Integration, WebLogic 6 & 7. Java WebApps with JSP and Servlets, JMS.

DDMESIS Information technology company. Mexico City, Mexico

Ago 1998 – Jul 2000

Role: Microsoft Leader

Activities:

- Project: Analysis and construction of the corporate system of manufacture and process control, BIMBO. Technologies: Microsoft Visual BASIC and Visual BASIC for Applications (to plot the production diagrams in Office Word and Excel). Database: SYBASE
- Project: System for organization and sale of assets to employees. Peñoles Company. Technologies: Visual BASIC, ASP Web Applications. Database: Oracle.

Technologies:

Microsoft IIS, Microsoft Visual Basic, Visual Basic Script, ASP, Microsoft SQL Server, Oracle, Informix, Sybase.

Mexico Ministry of Public Education. Mexico City, Mexico

Jan 1996 – Aug 1998

Role: Uniface Project Leader

Activities:

- Analysis, design, and construction of the Mexican platform for budget planning
- Direct relationship with end-users for the business user and functional requirements.
- Construction and go into production for Treasury System, communication and transaction coordination between Informix and Sybase Database

Technologies:

UNIX Solaris, UNIFACE 4GL, Informix, and Sybase Database.

CERTUM – Information technology company. Mexico City, Mexico

Jan 1994 – Jan 1996

Role: Uniface Project Leader

Activities:

- Construction and maintenance of applications for Casa Autrey Company using Uniface 4GL, C Language, Database SYBASE, and Unix Solaris.

Grupo Impresa - Publishing Company. Mexico City, Mexico

Jan 1992 – Jan 1994

Role: IT Manager

Activities:

- Construction of the second version of invoice corporate system with Microsoft Windows FoxPro 2.5 and Win 3.11
- Maintenance of Inventory and Customer System, Application developed in Turbo Pascal 6
- Implementation and maintenance of AppleTalk Network and Token Ring IBM Network.