Pedro Rozo

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Mobile : +57 312.3006700
Bogotá, Colombia

**Senior Technical Developer/Architect
and IT Leader for Large Scale Global Projects
Certified Java Architect, PMP & MBA**

Objective
Add value, creativity innovation, and productivity to Global IT teams as a senior software developer, architect, technical lead and result oriented integrator for large scale projects using global best practices.

Highlights

- 100% Result oriented, work under pressure
- Quick and Self Learner, always under continuous training.
- Creative, resourceful and organized.
- A proactive leader with excellent strategic & management skills to lead and facilitate complex technical topics between global teams and your business primes.
- Canadian & Colombian Citizen
- Fluent in English and Spanish.
- 20+ years of experience in software development for critical solutions with high performance and quality.
- 16+ years of experience in Software Solutions for Telecommunications Industry
- 15+ years of professional experience leading successful IT projects and global teams within North & South America.
- Strong experience using Open Source Software in real solutions
- 18+ years of professional experience as Technical Architect and e-business Integrator in Global enterprise level environments (EAI)
- 10+ years of professional experience in Service oriented Architectures: SOA/Microservices Event & Cloud Oriented
- 16+ years of professional experience as Technical team Leader and Senior Developer in Java Enterprise.
- 11+ years of professional experience in middleware infrastructure and Enterprise Server Administration.

References
Available upon request.

Education

Bachelor Degree In Systems Engineering with Computer Science Emphasis
Universidad Distrital "Francisco José de Caldas"
Bogotá, Colombia. Five years program.   1988 – 1993.
Thesis project: Simulation Models for Data and Voice Integration on LAN, access protocols: Ethernet and Token Ring.   Grade: 5.0/5.0

Master of Business Administration & Business Strategy
Universidad San Pablo CEU
Instituto Europeo de Postgrado – Madrid, España   2010 – 2011

Professional Certifications
- Project Management Professional (PMI)   2015
- Sun/Oracle **Certified Enterprise Architect for Java**   2007
- Sun Certified Web Components Developer for Java   2003
- Sun Certified Programmer for the Java 2 Platform   2003
- WebSphere Application Server Administration   2010

Development/Architecture Experience   *Current*
Senior Technical Developer/Architect

Canada-Panama-Colombia   Junio 2010

Company: SmartJSP S.A.S   http://www.smartjsp.com

IT integrators for open source solutions using fliexible architectures sucha as: SOA/REST/EOA and Java enterprise technology with customers located in Canada, Panama, Africa, Ecuador, Spain and Colombia.
- Define & develop the technical strategy plans & Architecture per project
- Coordinate, mentor and share strategic guidance to the marketing, sales & technical team about potential solutions in large scale environments.
- Environment: Hybrid AWS cloud and private linux containers

Most Relevant Successful Projects
- U.S.A.: Integritas L.L.C Included IT Architecture, mentoring building and guiding a roadmap of ERP integration(Automotive Integration) & extension projects including: IT team leadership (infrastructure, development and integration), located in Augusta, N.C.; I leaded POC's with WS02 integration suite, apache kafka, quarkus, apache camel, idempiere ERP extensions and mobile app integration with dart/flutter.
- U.K./U.S.A.: Optum Included IT Architecture, mentoring and guiding a long term roadmap of ERP integration & extension projects for two years, including mentoring of the IT, financial and healthcare teams: London & Minneapolis for Business) and Bangalore, India (for development and QA).
- Uganda, Kenya & U.S.A : My role included IT Architecture, mentoring & lead the build of ERP extension projects in HealthCare& Pharmacies for five years, included mentoring of the IT team, located in Kampala, Uganda.
- Guayaquil, Ecuador: TIA S.A. My role included IT Architecture, mentoring building and guiding a road-map of projects for five years, including a set of integration projects for the third biggest retail company of the country with more than 180 locations around the Country and its related company in Uruguay using an integrating an OSGi framework, SOA/EAI architecture, Idempiere ERP, ActiveMQ, Oracle 12, Cobol Mainframe, IBM POS platform, banking gateway, Oracle Financials and other in-house developments.
- Panama: Xpluk IT Consulting. 1. Integrated Medical System (EMR+ERP+LAB+Imaging) An integrated solution with: OSGi ERP (IDempiere) +SOA + BPM in a high availability cloud-computing environment (JBOSS). 2. SmartPOS - Retail solution (ERP + POS) for multi-branch restaurants using Idempiere ERP (OSGi + ServiceMix + Camel), with asynchronous messaging using RabbitMQ and Liferay portal.

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Skills Summary

- Project Management Tools: PMI best practices and Microsoft Project
- ◆ *Software Development*:
- Architectures: **Java EE** (15 years), SOA/Microservices(10 years) and Event Oriented Architecture (4 years) & OSGi
- J2EE Containers: WebLogic, WebSphere, JBOSS, Jetty and Tomcat.
- Enterprise Integration Products and Standards: BPM, EAI, OSGi, Websphere Process Server. **SOA-EAI**, BPMN, IBM MQ Series, ActiveMQ, JMS, Apache Mina (TCP/IP), RabbitMQ, Kafka, ServiceMix ESB, WSO2 and Camel framework.
- Portal Servers: Liferay, IBM WebSphere and Weblogic Portal Servers.
- Business Solutions: Idempiere ERP, SmartPOS, LAMS (e-learning), healthcare, retail, logistics, transportation, and cattle farming solutions.
- Mobile: OpenJfx, Flutter, & IoT multi-platform frameworks.
- Languages: Java, Groovy, Kotlin, C++, C#, Dart, Perl, C, Ksh, Php, SQL, PG/SQL, Xbase, XML, JavaScript & UML.
- Methodologies: OpenUP, XP, Agile, Scrum, Unified Process, TOGAF & PMI.
- Enterprise Reporting Solutions: Jasper reports, Cognos and Crystal.
- Frameworks: J2EE, Spring & Spring Boot, REST, JSF, GWT, Vaadin, ZK, OpenJFX, MyBatis, Hibernate, Apache Axis, Hadoop, JSR 168 & 268 (Portlets), Redhat Quarkus.
- Development Tools: Eclipse WTP, WebSphere Application Developer, WebSphere Integration Developer, Visual Studio Code, Oracle Jbuilder, NetBeans, Maven, Ant, Graal.
- Analysis and Modeling Tools: Enterprise Architect, WebSphere tools.
- *Software Configuration & Testing*: Mercurial, GIT, CVS, Subversion, IBM Clearcase, J*enkins & Jmeter*
- *Internet Services Integration, Unix and Services Administration*
- Internet Services Administration: Apache Web Server, IBM HTTP Server.
- Security: PKI infrastructure, SSL, LDAP, Kerberos, Identity Managers, Directory Servers(LDAP), WS02
- Operating System Administration AIX, Solaris, Linux (Ubuntu, CentOS and RedHAT) and Windows Server.
- Cloud & Infrastructure Solutions: VirtualBox, AWS, Google Cloud, Docker, Podman & Kubernetes.
- Databases: Oracle, IBM DB2, Postgres, Mysql & NOSQL Cassandra.

ARCHITECTURE, TEAM LEADERSHIP AND DEVELOPMENT EXPERIENCE

● Gestor de Gestores: HP-UNE (Medellín, Bogotá) / Working with a distributed team and the HP consulting team for telecommunications, our team designed and implemented (providing source code for critical components) a high performance communication interface build with Java/Groovy to monitor SLA's of UNE´s switches using the BAC product. This task included integrated sub-tasks with HP Israel and HP U.S.A., plus coordinated work with the HP architecture group in Brazil, everything in a record time of two(2) months fulfilling the functional requirement methodology and performing a successful knowledge transfer to the local HP team about best practices and related methodologies.

Company: Dacartec Andina S.A. www.dacartec.com.co
Technical Director/Senior Architect & Integration Specialist.
Bogotá D.C. , Colombia   Dec 2008 – May 2010
IBM Business Partner Premier (Spain & Colombia) specialized in WebSphere, Lotus and services oriented solutions(SOA), Integration (EAI), Mobile and business process management solutions (BPM) using best practices and last generation tools for global markets.
● Led the areas of technological innovation, architecture, development, and implementation of methodologies RUP, Agile and XP for the software development cycle and project management PMI
● Within the area of architecture and development directed the establishment of a highly productive team of SOA / BPM / Java Enterprise and Java Mobile development to build POC and final solutions with portals, business process management (BPM), collaboration and content management (CMS) using latest tools generation such as: WebSphere Portlet Factory, Enterprise Architect, WebSphere Business Modeler, WebSphere Integration Developer, WebSphere Message Broker, a team focused on providing high quality innovative solutions with multilingual support for the European and Latin American markets.
● Led the adoption of next-generation frameworks for RIA / Web 2.0, agile languages (Groovy) and best practices for integration projects in record time.
● Coordinated and mentored a team of more than twenty engineers in the areas of analysis, architecture and development, quality control and infrastructure, and also led the process of implementation of these methodologies and best practices for Dacartec headquarters in Madrid and Seville (Spain).
● Led the work of architecture in pre-sales solutions, where multiple solution scenarios offered to customers, and have executed proof of concept, mentoring sessions and integration events for companies in the telecommunications sector, Insurance, Government and Banking, among others. Worked together with the IBM Innovation Center in Barcelona.
● Led the architecture. Gesinprec, a project to manage the prevention under construction in Spain, which made use of technologies: Enterprise Java, SOA, IBM DB2, IBM Lotus Quicker, IBM Lotus Domino, Frameworks: Vaadin: Web 2.0/RIA, ibatis, Java Mobile , Web services with JAX-WS, Process server, all in a secure and distributed to projects of high availability and open standards.

Company: Insurance Company of British Columbia. www.icbc.com
IT Team Lead. North Vancouver   September 2007 - **2008**
Enterprise Computing ECTS e-business Group.
Duties: Project: Server Simplification/Weblogic 10 Upgrade: Led the planning and implementation phases, coordinating the migration of 50 J2EE applications from Weblogic 8.1 to version 10 and the migration of (5) cluster environments from Solaris 8 to the new hardware with Windows 2003.
●Performed impact assessment on current applications and environments.
●Mentored current team members and provide best practices and guidance for infrastructure, software development and technical architecture.

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ARCHITECTURE, TEAM LEADERSHIP AND DEVELOPMENT EXPERIENCE

Coordinated integration strategies with Webmethods(SOA), SUN LDAP, SUN Enterprise Identity Manager , Active Directory, IBM RACF, Crystal Reports Enterprise, SUN Java Proxy server. ● Coordinated also project activities with more than 40 people from Quality Assurance teams , end-to-end architecture, network infrastructure, e-business, external vendors and security infrastructure teams to assure smooth transition and prompt delivery and minimizing maintenance. ● **Key Achievements**: Created implementation plan, led pilot for migration of applications, performed Probe of Concept for complex technical scenarios. Provided hands-on solutions for critical components and services. Such as WLST, groovy, and service integration. Our project activities were delivered before schedule and on budget.

Company: TELUS Communications Canada.   **www.telus.com**

Team Lead and Senior Developer. Burnaby   March - September 2007
Business and Partner Solutions Wholesale Developmt. & Support Team
Duties: Project SMIS 3.5 Real time. Led the design, development and release activities to integrate the current SMIS 3.5 system with the new COGNOS 8 reporting engine for real-time reports, using Ibatis, struts, spring, TELUS frameworks(SOA based) and deploying the solution in many Weblogic 8.1 Clusters, Documentum and Oracle 9 ● Led a team of 4 developers, applying XP methodology, TELUS Methods (RUP subset) and parallel development
Key Achievement: Project was delivered on schedule, still having resource constraints and technical issues that happened during the last weeks.
● Project SMIS NextGen (parallel stream): Helped the solution architect to create the Technical Architecture for all the J2EE and SOA (Spring EJB) components, and the integration with multiple LDAP servers for authentication and authorization, and led the design tasks for integration with COGNOS 8 and LDAP servers.

Solution Architect and Team Lead. Burnaby   Jan - March 2007
Business and Partner Solutions Wholesale Developmt. & Support Team
Duties: Project Connect Phase 1. Created the Technical and Application Architecture and led the design to integrate the current enhanced services ordering system (SRT2), with new set of J2EE and SOA applications (Web, EJB, MDB), and the Imagine TELUS services layer in a secure environment, all of this applying the new TELUS standards and frameworks and deploying the solution in Weblogic 8.1, MQSeries and Oracle environments. ● Led a team of 5 developers, applying agile development techniques. ● Project Connect Phase 2 (parallel stream): Created the Technical and Application Architecture to replace the current enhanced services ordering system (SRT2), with new third party ordering system (AMDOCS –OMS) and a new set of J2EE applications (EJB, WebServices,MDB), in a secure environment.

Technical Leader and Java Senior Developer   Burnaby   Feb –Dec 2006
Business and Partner Solutions Wholesale Developmt. & Support Team
Duties: Led and Designed the SMS800 interface project, a complex TCP/IP interface to submit massive toll free number requests. Key tools: Spring, Struts, Mina, JSTL, and Ibatis frameworks (SOA Based) with Weblogic App server 8.1 and IBM WebSphere MQ workflow. (Process Orchestration)
● Led a team of five developers ● Designed and Developed a Web module to process massive requests from MCI to our Rebiller application.
● Designed and Developed a J2EE Portability Web Service (SOA) to Integrate legacy facilities with billing applications and .NET clients as part of the Wireless Number Portability Project. Using: AXIS 1.3 document literal web services, EJB's, Oracle 10i, Ibatis, Spring and Weblogic
●. **Key Achievements**: Maintenance was reduced to minimum, Users productivity was improved in more than 20 times. All projects were delivered on time; the last one was delivered a record time of three weeks for BC, AB and ON locations.

Java Senior Developer   Burnaby Sept 2005 – March 2006
TELUS Imagine Team: Analyzed, designed and developed a RPC Web Service Bridge using Axis 1.1 (SOA). To Integrate the current ADSL web service interface with the new J2EE modules of Imagine project including integration with: AMDOCS OMS, and Customer PDS. (Services Layer) ● All of this using EJB's, Spring, Ibatis, BEA Weblogic 8.1, and following the custom software process: TELUS Methods (RUP Subset). ● Participated as team lead in a Probe of Concept for SCM tools evaluating IBM Clearcase and Borland StarTeam. ● Participated as team lead in a Probe of Concept for SOA and BPMN tools evaluating BEA Aqualogic.

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Team Leader and Java Senior Developer   Burnaby Feb 2005–Aug 2005
TELUS Business and Partner Solutions Development Team
Led the analysis phase of Wholesale Voice over IP project to integrate legacy applications such as:Cris3 and FMS to a J2EE application REX using: IBM MQ Series, Mainframe frameworks, BEA Weblogic 8.1, Oracle 9, Borland Caliber, Borland Together, Eclipse, all of these following the current software process:TELUS Methods (RUP subset).

Java Senior Developer and Team Leader   Richmond Jul 2004–Feb 2005
Company: Ritchie Brothers Auctioneers.   **www.rbauction.com**

Duties: Led the WebSphere Application Developer 5.1.2, ClearCase Server and Clients migration process● ClearCase Server client administration and mentoring to Developers. **Achievements:** Migrated three J2EE and ten Java applications from WebSphere App Server 3.5 to a WebSphere 5.1 cluster including: DB2, Siebel, AIX, AS400, and Internet services ● I was leading a web services development to integrate our WebSphere 5 Cluster using EJB's and web services with a .NET third party services provider (SOA) .

Java Senior Web Developer   Vancouver Apr 2004- Jul 2004
Company: One Person Health.   **www.onepersonhealth.com**

Achievements: Developed J2EE Web applications for affiliates program, implementing a new Persistence Strategy using the Ibatis framework and MySQL 4 RDBMS. ● Developed a backend application that reported transactions to our affiliates using SSL daily ● Implemented the new source code management strategy using Eclipse IDE 3 and CVS. ● Developed the VeriSign payment integration services using Java security API, SSL tunneling, and deploying all of these applications in Red Hat Linux server with Tomcat 5.

Company: TELECOM-Colombia   **www.telecom.com.co**
Main Telecommunications provider of the Country. Local, ISP, and Long Distance operator around more than 27 cities.
Information Technology Planning and Development Division
Solution Architect and Team Leader   Bogotá, Colombia Jul 2002-Jul 2003
Duties: Analyzed, designed and developed the final architecture for Customer Management System. ● Lead the developer team using WebSphere, Rational Unified Process, Oracle, and Open standards.
Achievements: Developed critical J2EE components for parametric reports generation in PDF, CSV, and html formats, performing directory services integration using JNDI ● Mentored two development teams of 5 people using WebSphere 5, RUP and deploying the application on Solaris and AIX OS. This new set of J2EE applications is user by more than 4000 users in 27 cities around the Country.

Company: TELECOM-Colombia

Team Leader and System Architect   Bogotá, Colombia   Jun 2001 - Dec 2002
Duties: Analyzed, designed and integrated the Corporate Internet Site and portal including: user security, object schema, collect customer data (EJB).
● Developed architecture for Customer Solutions and coordinated the team.

Team Leader and System Architect   Bogotá, Colombia Dec 1999 - Dec 2001
Duties: Analyzed, designed and integrated Corporate Intranet Systems, in order to optimize national computer resources and reduce the general requirements for communication between company leaders and employees. ● Developed Perl, C++ and Java components in order to improve the security of National Internal Services like the Human Resource System (ERP) and Customer Call Centers and automate many publication information processes.
Achievements: Improved the communication efficiency for 4000 employees in 2 years, from 3 days to 5 minutes, using all the LAN and Internet facilities in a secure environment, offering automatic tools for publishing and distribute key decision support information and billing daily status.

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UNIX AND INTERNET SERVICES ADMINISTRATOR EXPERIENCE

Company: TELECOM - Colombia
Application Server Administrator   **Bogotá, Colombia   Jul 2001 - Mar 2003**
Duties: Analyzed, designed and implemented a J2EE Application Environment for Corporate Solutions on multi-platform systems (Solaris, Aix, Windows, and Linux) for Intranet and Internet Secure Sites.
Achievements: Implemented IBM WebSphere Application Server 5.0 with two Iplanet Web servers: (Intranet and Internet) in a secure environment using Netscape directory server and Oracle RDBMS. ● I transformed all the CGI's based on Perl and some client-server Oracle applications to a new set of secure J2EE applications. I also mentored client-server developers in J2EE best practices.

Team Leader and System Architect   **Bogotá, Colombia   Oct 2000 - Mar 2001**
Duties: Design and integrate LDAP Corporate Directory and Web Mail.
Achievements: I designed the general architecture of the Employee Directory, developed Perl scripts and Java components (JNDI) for automated information exchange with the ERP System in Oracle Database. ● I collaborated in Web Mail Deployment, personalization, and migration strategy from 20 distributed mail servers to 1 centralized, including Automatic Subscription and using LAN security NIS+ based.

System Administrator   **Bogotá, Colombia   Dec 1996 - Dec 1999**
Duties: IBM RISC 6000 SP2 Parallel System Administration of Billing System: Security Planning, Performance Analysis, Network, Hardware and Software Administration; Local Area Network and Wide Area Network interconnection.   **Achievements:** With a IBM AIX team we installed, configured, automated and delivered the general administration duties of this system including 12 CPUs, 3 different networks, 77 central in a 7x24 environment. 8 CPUs worked in a parallel system with fault tolerance and high availability using HACMP and Oracle parallel server.
Research and Development Engineer   **Bogotá, Colombia   Oct 1993 - Apr 1995**
Company: TELECOM - Colombia   *Research Division*
Duties: Designed, developed and administrated a Library Information System. Developed the GUI and database modules of the Voice Recognition System for Long Distance, using CA-Visual Objects and Borland C++.

AS400 –Unix Systems Programmer   **Bogotá, Colombia   Feb - May 1993**
Company: GRUSLIN MARTINEZ DE COLOMBIA -   *Financial Division*
Company specialized in Financial and Insurance Software on IBM systems

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Professional Courses Taken

Course	Year
Project management best practices (PMI) -	2015
Apache ActiveMQ and ServiceMIX ESB (FUSE - Bogotá - Colombia)	2011
SOA – Symposium –Government & Industry Best Practices Department of Defense (Washington D.C – U.S.A)	2010
Implementando ERP/CRM con Adempiere (ACIS - Bogotá)	2010
Plataformas y Estandares para Educación Virtual – MoodleMoot (ACIS- Bogotá)	2010
WebSphere Process Server Administration 6.1 (IBM- USA - Remoto)	2010
VIII Jornada de Gerencia de Proyectos de TI (ACIS – Colombia)	2010
WebSphere Application Server Network administration 6.1(IBM- USA - Remoto)	2010
WebSphere Portal Integration Workshop (IBM – Barcelona – Spain)	2009
BPM - BPEL – implementation with WebSphere Integration Developer Workshop (Itera –Colombia)	2009
Gobierno y Gestión de Tecnología de la Información (IT Service – Colombia)	2009
TOGAF – Arquitectura Empresarial: Conceptos y Metodología de Definición (ACIS / Colombia)	2009
BPM & WebSphere Modeler - Workshop (Itera – Colombia)	2009
Seminario Taller de Gerencia de Proyectos aplicando PMI (ACIS – Bogotá)	2009
BEA Weblogic Application Server 10 Advanced Administration (WebAge Solutions –Vancouver)	2008
IBM MQ Workflow Modeling (WebAge Solutions - Vancouver/Canada)	2006
BEA Weblogic Portal Development (CGI/Weblogic - Vancouver/Canada)	2006
J2EE Architect Conferences: No Fluff Just Stuff (JSF,AOP,Spring,Hibernate) (Seattle USA)	2004
IBM WebSphere Application Developer 5.1.2 Servlet and JSP development (IBM - Canada)	2004
IBM WebSphere Portal Server – Proof of Technology	2003
Microsoft Business Application Development with .NET (Microsoft – ExecuTrain)	2003
Object Oriented Analysis and Design with UML (Rational – Indudata)	2003
Requirements Management with Use Cases (Rational – Indudata)	2002
Rational Unified Process Fundamentals (Rational – Indudata)	2002
Implementing Microsoft Windows 2000 professional and Server (Microsoft -Arquimedex)	2002
Architecting and Design J2EE Applications (Sun Microsystems – ExecuTrain)	2002
Developing J2EE Compliant Applications (Sun Microsystems – ExecuTrain)	2002
Web Component Development with Java (Sun Microsystems – ExecuTrain)	2002
Workshop Java Programming Language (Sun Microsystems – ExecuTrain)	2002
.NET Basic Training and Integration Workshop (Microsoft)	2002
National Systems Security Journey (Colombian Systems Engineer Association)	2001
Flash 5, Fireworks 4 (Macromedia – Colombia)	2001
PKI Internet Security and Iplanet Certificate Server (Procibernética – Colombia)	2001
Iplanet Portal Server (Procibernética – Colombia)	2001
IBM WebSphere Application Server Development & Studio (IBM – Los Angeles USA)	2000
Visual Programming with IBM Visual Age for Java (IBM – Colombia - VisionTech)	2000
IBM ADSM Backup Administration (IBM – San Francisco USA)	1997
IBM AIX Sp2 Parallel Support Problem Determination (IBM – Los Angeles USA)	1997
IBM AIX Sp2 Parallel Support Advanced Administration (IBM - Dallas USA)	1997
Graduate on Cooperative Companies Management (Universidad Externado – Colombia)	1996
Oracle PL SQL, Database Administration (Oracle – Colombia)	1996
Object Oriented Analysis and Design (Universidad de los Andes – Colombia)	1996
IBM FlowMark (IBM - Colombia)	1995
IBM AIX, Advanced, Administration 1, Administration 2, Lan Communications (IBM – Colombia)	1995

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Teaching & Conference Experience

Enterprise Applications development with Java Enterprise	CIIT – Bogotá - Colombia	2022
OpenShift (Kubernetes) for developers & dev ops	Fundación Egresados Universidad Distrital – Colombia / Claro	2021
Desarrollo de aplicaciones Web con Frameworks de Ultima generación: Spring boot, zk, mybatis, Idempiere	SmartJSP / Masivo Capital	2020-2021
Idempiere Integration & development for Java developers	SmartJSP / Kenya	2020
Idempiere Integration & development for Java developers	SmartJSP / Hyderabad & Bangalore, India	2018
Idempiere Integration & development for Java developers	SmartJSP / Guayaquil, Ecuador (Almacenes TIA)	2017
Idempiere Integration & development for Java developers	SmartJSP / Optum London, U.K	2017
Perfomance Analysis with Jmeter for modern Web applications	FEUD- Universidad Distrital-Colombia	2016
Diploma: Mobile Applications development using Java Mobile Edition (J2ME) FEUD- Universidad Distrital	FEUD- Universidad Distrital-Colombia	2009- Julio-Agosto
Desarrollo de aplicaciones Móviles con Java Mobile (J2ME) incluyendo frameworks y prácticas en SDK de Symbian, Blackberry y Android.	FEUD- Universidad Distrital-Colombia	2010
Groovy & Grails – Lenguaje y plataforma para creación de aplicaciones Web Ágiles y Abiertas.	FEUD- Universidad Distrital-Colombia	2010
Diplomado en Arquitectura Java Enterprise – SUN Microsystems: Análisis y Diseño con UML (OO-226) Java SL275, SL285, FJ310 (Java Enterprise), SL314 - 351 (Enterprise Java Beans) y Arquitectura, Patrones de Diseño	FEUD- Universidad Distrital-Colombia	2010
Service Oriented Architecture (SOA) – General concepts for early adoption and integration	FEUD- Universidad Distrital-Colombia	2009- Abril
SL-351 Advanced Business Component Development with Enterprise Javabeans Technology (EJB) Sun Certified Education Track.	Executrain de Colombia - Sun Microsystems Official Instructor	2003 Nov- Dec
FJ-310 J2EE Compliant Applications (Servlets – JSP – EJB) Sun Certified Education Track.	Executrain de Colombia	2003 Aug- Nov
SL314 Web Component Development for J2EE applications Sun Certified Education Track.	Executrain de Colombia	2003 Aug- Nov
Design and Develop J2EE compliant Applications Using WebSphere Application	Instituto Tecnológico de Electrónica y Comunicaciones ITEC – TELECOM	2002-2003
Web solutions development on multiplatform with Java, Tomcat, JavaScript, Apache, Perl and Oracle	Direccion de Informatica / Telecom Bogota - Manizalez	2001
Network and Operating Open System Workshop including: Unix and Windows NT Administration on Network Open Systems, Web Servers: Apache, Microsoft IIS. Protocols TCP/IP: HTTP, POP3, FTP, DNS, DHCP, NIS+,LDAP, Network design and simulation using COMNET. Language programming with Perl and Java. Technical Advisor for fifth teen thesis projects .	Universidad Cooperativa de Colombia	2000
Java	Instituto Tecnológico de Electrónica Comunicaciones ITEC – TELECOM	1998-1999
Javascript	ITEC – TELECOM	1998-1999-2000
Unix Shell Programming. KSH, AWK, PERL	ITEC – TELECOM	1997-1998 1999 2001
CA-Clipper 5.2 Programming		1994

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Conference Speaker (Spanish & English)

SmartVehiculos – ERP + Fleet & workflow management platform	Clúster de Software y Clúster de Logística Cámara de Comercio de Bogotá	Noviembre 2020
SmartRetail - IT Reference architecture for last generation of IT solutions for the Retail Industry based in a 100% Open Source stack : Idempiere 6.2 + SmartPOS+Smartreplicator+SmartLoyalty+SmartOrder+SmartServer	Global Idempiere Conferences Lyon Francia (English)	Noviembre 2019
SmartPOS Advanced Point of Sale : ERP + Bigdata + NoSQL (English)	Global Idempiere Conference Krefeld, Germany (English)	Sept. 2015 May 2013
Técnicas para Currículos exitosos en un entorno Global Competitivo de Tecnologías de Información	ACIS	2011
Entornos y Herramientas Libres para Crear Soluciones Java Enterprise Ideal platform for the development of Open source applications.- A summary of the open source environments, tools, frameworks and practices available for the development of Java applications/ *2da Jornada de Software Libre y Telecomunicaciones*	Centro de Altos Estudios – Sabio Caldas - Universidad Distrital UNITEC Informática & Tecnologia – Casa de Software, ACIS	May-Dic 2011
From IT Government to the real practice: A quick review of industry standards from the executive level to the strategic and operational levels, introducing and integrating concepts of COBIS. ITIL, PMI, CMMI, TOGAF and Java Enterprise	Centro de Altos Estudios – Sabio Caldas - Universidad Distrital - Siglo XXI casa de software / Corporación Universitaria San José	May-Dic 2011- 2013
Software Architecture and its impact in projects with high complexity	Universidad del Norte, Barranquilla, Colombia	2003

Organizations

Bogota City – Software Cluster	Member	2015-2016
Fedesoft	Company member	2004-2016
ACIS – (Colombia IT Engineer association)	Member	2004-2016