Miguel Angel Santos Sierra

PROFESSIONAL SUMMARY

Pragmatic software engineer, very detailed as an Architect and Project Leader with over 27 years experience in the full software development life cycle of distributed computing architectures. Experienced in design of J2EE architectures, Web Service applications with SOA, and security. Demonstrated success in the design, development, integration and support of enterprise architectures.

- Excellent written and verbal communication skills, thorough planning, prioritizing and goal-setting capabilities.
- Consistently deliver quality systems, software, and tools by applying continuous build and testing via automated processes and integration with configuration management tools.
- Exceptional problem solver, adept at analyzing large-scale complex problems and creating innovative and modern component based solutions.
- Rapid Application development, evolutionary prototyping and thorough Test Driven development.
- Highly analytical Architect with "big picture" vision, the ability to work with management, staff and customers to convert complex requirements into systems that achieve objectives.
- Good system analysis skills to discern improvements and performance optimizations and develop testing that proves the performance increase.

TECHNICAL SKILLS

Languages	Java, C, SQL, PL/SQL, PowerBuilder , COBOL, CICS, Visual Basic, ZIM, ABAP, Informatica Power Center (ETL), Basic VMS
J2EE Web Services	SOAP, REST, WSDL, JAX-RS, JAX-RPC, JAXP, JAXB.
Web Technologies:	HTML/HTML5, CSS3,DHTML,XML, XHTML, XSLT, JavaScript, AJAX, JQuery, JSON,
JavaScript Frameworks	Angular JS, NodeJS,JackBe
Javascript Libraries	Bootstrap,ExpressJS, JQuery,React
Client side build tools	NPM, Bower, Grunt, Gulp, Jenkins.
Frame Works	Struts, Hibernate, and Spring AOP, JSF, Spring Boot, Spring , Spring Cloud, Sprin Batch, Open Text
Database	HBase, Oracle11g/10g, DB2, MySQL, SQL Server MongoDB,Sybase,PostgreSql,DB2, TERADATA
Web and Application Servers	Apache Tomcat, IBM WebSphere, JBoss, WebLogic 8.1,JRUN
Design Patterns	Abstract Factory,Factory Method,Prototype,Singleton,Adapter,Composite,Decorator,Facade, Flyweight
Methodologies	SDLC, OOAD, Agile, Modern Structured Analysis, Extended Relationship Analysis, ER, Analysis and Design in Object Oriented under UM
Business Intelligence	Business Objects, Micro Strategy, Cognos, PowerBI, Tableu
Operating Systems	Windows 98/2000/XP/Vista/7/8/,Mac OS X, Linux, Unix SCO, VMS 11, ZOS,TSO,MVS
Build Tools	Ant, Maven, Jenkins, Bamboo, Gradle.
Tools	Junit, Eclipse, ,MS Office, Rational Rose, Putty, Subversion, CVS, Visual Source Safe6.0, MS Visio,Visual Code, IntelliJ, Erwin, Power Designer, Netweaver,GIT,Cucumber , MuleSoft,Git,Cucumber

Education Details :
- Bachelor's in CS from UNITEC Sep 2005
- Truncated Career in Math from ITAM

Agile Thought   **Java Senior**   **Current**

StJude Org
Responsibilities
- Work as Java Senior Programmer, developing applications and maintaining current ones, using Oracle, RESTFUL, JavaScript,AEM , Java 8,JPA, Spring Cloud libraries, Spring Boot,MuleSoft.GraphQL
    - Create new Content Management artifacts
    - Microservice for calling OKTA services for granting permissions on user
    - Microservice for verifying emails
    - Connector for receiving GrapQL queries and hit against AEM Content Manager

NRI
Responsibilities
- Work as Java Senior Programmer, developing applications and maintaining current ones, using Oracle, RESTFUL, JavaScript, React, Java 8,JPA, Spring Cloud libraries, Spring Boot
    - Microservice Storing Data for Database of projects
    - Microservice Storing Data for Several Catalogs
    - Create Filters in Backend for reviewing user permissions and task assigned

Internacional de Sistemas S.A. de C.V.   **Technical Leader/Coordinator**   **2020**

Thermofisher S.A. de C.V.
Responsibilities
- Work as Java Senior Programmer, developing applications and maintaining current ones, using PostgreSQL, Kafka, RESTFUL, JavaScript, React, Java 8,JPA, Splunk,ADOBE SUITE, Spring Cloud libraries, Spring Boot, Redis Cache
    - Microservice Consuming new Topic from Kafka, and persist information in PotgreSQL
    - Microservice for new process for generating cookies for new China Domain to be used in the site
    - JavaScript process to call Back End process to create new Cookies
    - Modify Carrousel for showing products on page consuming Microservice which provides data from PostgreSQL
    - Adding new functionality to Product offers

Mapfre Spain
Responsibilities
- Developing ETL process for storing information in Stage Tables using Informatica PowerCenter 10.5
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ACTINVER S.A. DE C.V.

Responsibilities
- Work with IT Factory, developing Bank Applications, using REST FUL and SOAP web services (Oracle 12g, Angular 8, Spring Batch, Spring Boot, Java).
  - Payment registration system for VIP clients (microservices SpringBoot 1.8)
  - Failed Operations in SPEI (microservices 1.8)
  - Cancellations accounts for receiving payments from others Banks.
  - Massive payroll dispersions from Local Systems to SAP
- Control Workflow in OpenText for authorizing payments for vendors, using WebService for communicate with SAP using REACT as Front-end, Rest Controllers in Java 1.8, HTML

BANCOMER S.A de C.V.

Responsibilities
- As infiltrate (broker) between my company and Bancomer, look for new projects and make sizing in hours depending on requirement, applying methodology Function PointsS
- Sizing requirements coming in a technical spec, delivery and build when required programs, for creating a program in JCL,COBOL, CICS, DB2,CONTROL-M,CHANGEMAN source control,and deploying them in TSO environment for Mainframe
  - Accounts to Pay
  - Accounts receivable
  - Pay Methods
  - Risks
  - Payroll
  - Clients
  - Base Oper
  - PLD(Money laundering process)
  - Customer Analytical Laboratory
- Sizing requirements coming in technical spec, for creating projects in Spring, Java, Hibernate , Oracle Database,javascript,HTML and Maven, Serena as tool for deployment In different environments
  - Bank reconciliation
  - Account Manager
  - International Trading
- Sizing requirements coming in technical spec, analyze and develop programs, for creating projects in Spring Batch, unix shells, Mongo DB, Oracle DB, OSGI Framework, Control-M
  - Migration Data from MAINFRAME environment to OSGI Environment Java applications
    - Clients
    - Customer
    - Payments methods movements
    - Risk Data
- Sizing requirements coming in technical spec, analyze and develop programs, for creating projects in Java Swing, SQL Server
- Sizing requirements coming in technical spec, analyze and develop programs, for creating projects in Informatica Power Center, Linux Shells, ORACLE Data Uploader, TERADATA
  - Migration Application BaseOper, and Analytical Laboratory of Data of all procedures for making a ETL process for storing information coming from plaintext files to be consumed for Informatica process

CEMEX S.A de C.V.   **Senior Java Architect**

- As a Java Expert make a diagnostic on applications developed for the financial area. Giving a list of issues and solutions based on best practices.

Client: HSBC Mexico S.A de C.V.

Responsibilities

- As a technical leader make an analysis and prepare a proposal for a new application to use different technologies based on an own framework which is based in JSF/Spring and a Workflow engine.

IPSE Technoligies S.A. de C.V.   **11/2004 – 02/2008**
Client: Bancomer – Senior Software Engineering Consultant

- As a design/integration engineer, designed & implemented comprehensive proof concept application s in order to consume and provide information through web services for our big company clients.
- Developed modifications in the Bancomer portal for Debit cards applications, and as Expert Java Developer made needed modifications to applications architecture for migrating from Websphere 4.0 to WebSphere 6.0 Bancomer Portal.
- Review security architecture regarding access to Bancomer Portal. Using Firewall Demilitarized Zone, Websphere.
- Apply modification to Payroll application for Bancomer employees. Java JDK 1.4, Servlets, JSP, JNDI Oracle Data Base, MQSeries, CICS Transaction Server, DB2, COBOL Application.

Bancomer Puerto Rico.

Responsibilities

- Design & implement solutions for security issues detected in the applications developed with Java, JackBe and Struts. Applications regarding to Leasing financial services using JCA in order to make connections to the HOST. Mentoring developers in using new architectures Struts/Spring/Hibernate.

CITI GROUP LONDON/NEW YORK.
Responsibilities

- Design and modify API for trading application in the middle Office. Suggested improvements for speed (based on JUnit tests), understanding (adherence to standards, variable naming, method detailed coding and javadocs), succinctness (reduction of lines of code), Object Orientation and application of design patterns. Implementing Web application in order to maintain parameters used by API described above using Struts 1.2.

Internacional de Sistemas S.A. de C.V.   **09/1997 - 11/2004**

Client: Telefonica MoviStar   **Data Architect BI Consultant/ Java Developer**

Responsibilities

- Design Oracle database model for data warehouse implemented in "Redes area", using MicroStrategy as BI, and developing ETL in Java 1.4 hosted in Sun Solaris 8.5

- Middleware Services & Interoperability Testing Project- Designed shared services development processes, & administered the Sun/Solaris shared services infrastructure supporting, using shells in Unix Solaris.

Client: VolvoCar Spain   Data Architect BI consultant
Responsibilities
- Design star schema to implement a data mart, for controlling PKI's defined for Volvo using Power Designer , Business Objects , Oracle Database
- Design reports in Busines Objects and WEBI to show information regarding PKI's.

Client: Grupo Peñoles S.A. de C.V.   Senior Java Architect
Responsibilities
- As Program Manager, contributed to the definition and implementation of an automated build, testing and development process for JEE application release management in a JEE, Open Source Tools, WebLogic, Tomcat, Maven, Ant environment.
- Designed multiple disparate J2EE projects to architect, implement and resolve all technical issues. Using JSP,Servlets, XSLT, Sybase data Base, Power Designer, WebLogic 6
- Designing and developing application for Control of the electrical energy produced in our plant, using J2EE, Servlets, XML, XSLT, JMS,Javascript, HTML and EJBS, Database Sybase 11, Power Designer, WebLogic 6
- Design and develop application for controlling Payroll Using J2EE, JSP, Servlets, JMS, EJB, HTML and Javascript, WebLogic 6
- Design an Operational Data Store for controlling information provided for every Mine, using Business Objects
- Design and develop an application for a Dashboard in order to create Reports about revenue and mining production. Using J2EE, servlets, XML, JSP, Applets and security, POI API for exporting data as CSV, Database Sybase 11, Power Designer, Jrun server
- As Technical leader and expert in PowerBuilder, create objects for reusability in the applications. Leading migration for Y2K, from local application developed in a old fashioned language to PowerBuilder
  - Control Mining System
  - General Ledger
  - Payroll System
  - Gold and silver bar control system
- Building System inventory for laboratories using Power Builder , Data base Sybase 11
- Building application for reporting production of different Mining production using Stored Procedures, Power Builder, Database Sybase.
- Make analysis for KPI's using Balance Score Card methodology
- Developing application for taking information reading from electronic mineral laboratory test measurement system. Using C++ for low level application and send information to Java application, DataBase Sybase 11
- Design and develop application for controlling mining balance, later deploy application all around the country where the company's mines are.
- Make interface between application built with PowerBuilder and People Soft. Using Powe Builder, Sybase and C++ programs to communicate with APIS of people soft

Berlitz de Mexico S.A. de C.V   **Senior Software Engineer**   **02/1995 - 09/1997**

Install LCMS application developed in PowerBuilder 4.0, in Mexico and LA, giving support to the current applications developed in ZIM, also mount infrastructure to enable communication between Mexico and Princeton Head Quarters in order to use PeopleSoft GL Module.

Responsibilities
- Migrate application build in ZIM to PowerBuilder 4.0 using SQL Database
- Give technical support to our branches in the whole country
- Display application LCMS all around the country and LATAM

Quadrum S.A. de C.V.   12/1988 - 02/1995

Software Engineer (1992-1995)- Analyzed & developed workstation applications, GUIs & automated build systems & reporting functionality,.

Responsibilities
- Developing application for Controlling inventories Microvax Basic, and RMS Files
- Developing application Railway carriage management system using Microvax Basic, and RMS Files
- Installation of inventory control system in our warehouses around of the country
- Analyze and redesign application Railway leasing, using ZIM 4GL and ZIM Relational Database
- Analyze and develop application for Financial leasing system using Microvax Basic and RMS Files

System Manager (1990-1992).- Technical Support and maintenance to Microvax 3300, and tuning operating system.

Responsibilities
- Maintain System up and running
- Make tuning of equipment
- Schedule System maintenance
- Make Tuning of Operating System

System Operator (1988-1990).- Technical Support and making Data Backups of information systems, also technical support over applications installed.

Responsibilities
- Make Backups of system
- Make cleaning of information every time scheduled
- Control of inventory

English proficient (90%, Spoken, read, written understood)

COURSES & TRAININGS

Oracle
Analysis and Design of Database - Era Methodology, 1994

Sant Cruz Operations
Unix Operating System Administration 2001

Digital Equipment
VMS Operating System Administration, 1992

Institution Name
Novell Operating System Administration, 1992

NCR
Data Warehouse Workshop in NCR, 2002

Analysis and Design in Object Oriented under UML, 1999

Partner from MicroStrategy
Business Consultant Certified in MicroStrategy, 2002

Business Objects, 2003

Cognos, 2001

Partner from SAP
SAP BSP's, 2002

Partner from SAP
ABAP R/4, 2002

Jack Be
JACK BE 4.5, 2006

C# Fundanmentals 2006

SKILLS

- HOST
- COBOL
- CICS
- JCL
- J2EE
- Informatica
- Essbase
- Visual Basic
- Java
- JSF
- Spring
- Java
- WebSphere 4 / 6
- JackBe
- Struts 1.2
- JCA
- Spring
- Hibernate
- JUnit
- Javadocs.
- Oracle
- MicroStrategy
- BI
- ETL
- Java 1.4
- Sun Solaris 8.5
- Business Objects
- WEBI
- JEE
- WebLogic
- Tomcat
- Maven
- Ant
- J2EE
- XML
- XSLT
- JMS
- EJB
- PowerBuilder
- C++.
- LCMS
- PowerBuilder 4.0
- ZIM
- PeopleSoft GL
- Microvax 3300
- IBM Rational Software
- Architect
- Eclipse 3.X
- Design Patterns
- Visio diagrams
- Maven
- Ant
- JMS
- Hibernate
- Spring 1.3
- CVS
- Subversion
- JIRA
- C++
- MicroStrategy
- Business Objects
- ABAP
- BSP
- JACK BE
- ZKOSS Ajax
- Framework
- Informatica Power Center 8.1
- Squid 2.0
- Iptables
- Db2
- Oracle
- MySQL
- HSQLDB
- PostgreSQL
- Sybase
- MSSQLServer
- MongoDB
- Linux
- Solaris 10
- Windows XP +
- AIX
- TSO
- MVS
- JCL
- WebSphere
- WebLogic
- Geronimo
- Tomcat
- Jboss
- JRun
- Microservice
- Java

- RestFul Services
- Web Services
- Agile
- Scrum
- OpenText
- JavaScript
- CICS
- MicroStrategy
- Android Development
- Data Warehousing
- Database Design
- Shell Scripting
- Design Patterns
- C++
- JCL
- C#
- Spring Framework
- Sybase
- Microsoft SQL Server
- PL/SQL
- Cognos
- WebSphere Application Server
- Hibernate
- JPA
- XSLT
- MySQL
- Angular
- DataStage
- Spring Security
- Teradata SQL
- SCO Unix
- Sybase SQL Anywhere
- PowerBuilder
- Jasper Reports
- WebSphere MQ
- Tomcat 5
- XML Spy
- T-SQL Stored Procedures
- Informatica Power Center 9.5
- Java Enterprise Edition
- React