Personal Information

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Education

Degree in Computer System. *Universidad del Valle de México*	2006 – 2009

Courses Attended

Diplomado Desarrollo de aplicaciones Xamarin.Android *TICapacitacion*	Abril - Jul 2017
LinuxFoundationX -LFS132x Introduction to Cloud Foundry and Cloud Native Software Architecture *eDX*	Jun - Jul 2017
LinuxFoundationX - LFS158x: Introduction to Kubernetes *eDX*	Jul - Jul 2017
Google Cloud Platform Fundamentals: Core Infrastructure *Coursera*	Jul - Jul 2017
AWS Technical Professional Online (Released November 2016) *Amazon Web Services, Training and certifications*	Aug - Aug 2017
AWS Well-Architected Training *Amazon Web Services, Training and certifications*	Aug - Aug 2017
Oracle Certified Expert, Java EE 6 Web Services Developer *Oracle University-NETEC*	Apr, 2013
Oracle Certified Professional, Java (SE 5, SE 6,or SE 7) Programmer *Oracle University-NETEC*	Jan, 2012
Oracle Certified Professional, JEE6. WebServices *Oracle University-NETEC*	Jun, 2014
CMMI Fundamentals *Avantare*	Jul, 2006
Preparing PMP certification *Avantare*	Nov, 2005
Seminar Project Management Information Technology *ALPHA Consultoría*	Jul, 2005

Assessment tools in support applications   Jul, 2005
Instituto Tecnológico Autónomo de México
Software inspection   Sep, 2002
Avantare
Project Management and Administration.   Nov, 2001
Grupo Nacional Provincial

Work Experience

GFT México	**Jul, 2016 - current**
Softtek	Jun, 2016 – Jul, 2016
PlanetMedia	Apr, 2015 – Apr, 2016
UNAM-General Directorate of computer services applied to information technology	**Jan, 2007 – current**
(Part-time)	
Palestra	Jan, 2014 – Mar, 2015
PlanetMedia México	Jun, 2013 – Dec, 2013
Grupo Nacional Provincial	Jan, 2001 – Jun 2006
INNOVA Consultores en logística aplicada	May, 2000 – Jan 2001

Business Partner

TSMI Tecnologías al servicio médico integrado	Jul, 2010 – current
Farias Telecomunicaciones y cómputo	Mar, 2007 – current

Job description

GFT

Software Engineer

Main activity on GFT as Software Engineer is creating the technical proposals for Presales team and support for the developers teams overall infrastructure and architecture definitions for solutions running on Cloud (Google Cloud Platform), local Infra indeed hybrid models.

- GFT Office - Creating proposals for different clients, generating the technical proposal and reviewing the estimated cost with the Account Manager. At this moment I'm trying to involve GFT México on Datamarket business and build components to conform a set of pluggables products for any consumer of differents Feeds.
    - Member of "Architect Family Leads" for Global GFT
    - Member of "Architect Practices" for México
    - Mentor Lead for L3 Developers in México

- ScotiaBank Canada (Toronto) - Workshop inmersion to generate the target architecture for SDLC and design for the BaaS (Bank as a service) solution. My activities as architect was generated and describe the diferents models and solutions leaded while Breakout.

- ScotiaBank Canada (Toronto) - Organize and create the first deliverables stack as a summarize from Workshop sessions.

- BBVA México - Define and set the architecture for new communication platform from BMV (Bolsa Mexicana de Valores), developing the receptor component which is listening through Multicast Protocol the BMV's data feed. Create the communication's artifacts to deliver the market data to database solutions.
    - Participate on the design, build and deploy of the "Banco Modelo" application which emulate the application that run on the Branch, this is used for educational services for new employees in the branches. The application is designed for work over AppEngine on google cloud. A data part was migrated to a scalable database and all static resources was settled on a GlusterFS system.
    - Build and deploy "Mensajes de alivio", application designed to accelerate the payment for life insurance contracts through a pre-load of the official documents required when the customer dies, making easy for family the track of the request for pay. This application is running over Compute Engine on google cloud with an auto scaling system for high availability.

- OEM Project - Tunning the Cloud Platform to fourteen developed sites and the custom templates with WordPress, supporting high concurrency, scalability and easy to configure a new site. Some technologies applied are Percona, GlusterFS, Php and RabbitMQ to manage the communication inter-sites queues.

Softtek

Software Engineer

Main activity in Softtek was the security architecture refactoring code proposal for Banorte bank.

I design and wrote the guide for consume the authorization microservices through a standard facade, it was implemented using JEE technology with an EJB Stateless Session bean. Handling design patterns Factory, Adapter and Interpreter mainly.

PlanetMedia

Software Architect

Main activity was create and define new architecture proposal for some Banking solutions, watch on the adherence to the core product architecture based on service-oriented projects in three and four layers integrated over architecture client, generating some communication components that comprise structure without changing the platform and increase security over all platform.

Some of these projects are:
- Omnisuite Banking: Solution based to provide a better user experience on ebanking solutions. We cover mainly the Front Layer and the integration services to Core Banking product.
    - The eBanking information aimed at improving performance and user experience which is constantly storage in a database product as T24, through asyncronous services running on the Omnisuite layer.
    - Communicating the middle layer over RestFul solution to WebServices published , indeed developing new beside solutions using T24 database building new Security Cache to optimize Web and Mobile Platforms.

- ○ The architecture should support the request from any channel with the integration layer.
- Omnisuite Workflow: This product is focalized on maintain uncoupled front windows to integration service layer. Through dynamic config files, the visual elements as well as security and business rules.
- Secure Omnisuite: Is a security agnostic component, the target is avoid intrusions and detect attacks such as spoofing, request interception, among others. An application through behavior patterns analyzed from a trace logs that could intuit identity theft (this tool has not yet been launched) was generated.
- Security Component for Mobile Banking and eBanking. This artifact is an extension of Secure Omnisuite Component. A first stage was provide an applicative security solution for eBanking in Grupo Financiero Interacciones, using standard security protocols such as OAUTH with UserNameToken and XACML. In Grupo Financiero Ve Por Mas the extension was applied to cover the security for both Web and Mobile eBanking, solving all penetration issues of the application and exposed services for Mobile apps. In Finmex Financial Innovation, was held architecture applicative and security modules for Web service involved in ESB Fuse RedHat Architecture, further defining the security protocols to communicate between different servers where the system components are located in core Banking. It generates a log that can be used for auditing purposes, meets the requirements listed in Chapter X (ten) of the CNBV regulation.

As part of my activities undertaken included coordination of different development teams, establish mechanisms to ensure the quality of the generated code through SONAR-OWASP tool, carry out the strategy of the different vulnerability testing to developments generated by the company, reviewed functional documents which developers take to get the technical documentation. As derived from experience in the implementation of projects evaluate the methodology of work ranking from requirements gathering to deliver in Pre-Production and Production environments.

Palestra

Software Architect

Generation enterprise architectures for dynamic Web applications that generate value to customers through stress reduction and mitigation of human error. Some of the projects are:

- **Notariats Documents Management** (gonotarias): Project to generate and manage notarial documents; this project was done working with the Notaria 98 and 24 who supported us with a review of the different models of notarial documents.
    - ○ Technologies: JEE, EJB, REST, JSON, HTML, BOOTSTRAP, JAVASCRIPT, XML, HIBERNATE and mysql.
    - ○ Add technologies:
        - ▪ GIT repo.
        - ▪ Maven
        - ▪ Alfresco, ECM
    - ○ It works over RESTful architecture, supported by CORE for containing the implementation of Business, which is supported by the persistence layer that keeps the model and DAO implementations. The front layer is developed with BOOTSTRAPT, JavaScript and HTML in order to make a thin client for any web application server.
    - ○ XML technology was used to provide flexibility to the system variables used for processing and documents generation. EJB technology is used for notification

processes through MDB and closing processes of writing and integration with Alfresco.

- **National System Location in jail by Federal Center**: System that will allow the Federal Centers for Social Rehabilitation (CEFERESO) to ensure the identity of the inmate through an internal inventory and control transfer. Dashboard generation that will be sent to mobile devices as officials reports government. A possible solution through behavioral analysis in the movement of inmates to prevent or predict a possible leak.
  Note: *Currently the project is under review by the Administrative Group for Prevention and Rehabilitation (PYRS).*
  - o Technologies: : JEE, EJB, JSON, HTML, BOOTSTRAP, JAVASCRIPT, HIBERNATE and mysql.
  - o Add technologies:
    - ▪ GIT repo.
    - ▪ maven
    - ▪ Fingerprint reader
  - o This system is divided into two modules, one of them manages information online and the other offline. Both modules are made on a Web platform. There are manual processes and automatic synchronization from local databases into the central database. Storing historical archives with fingerprints and facial image.

- **Compliance Control System Concessions:**
  - o Technologies: JEE, EJB, REST, JSON, BOOTSTRAP, JAVASCRIPT, HIBERNATE and mysql.
  - o Add technologies:
    - ▪ GIT repo.
    - ▪ MAVEN
    - ▪ Alfresco, ECM
  - o The solution is supported by a RESTful architecture with Bootstrap to display result data. Integration with an ECM repository (Alfresco) to manage the historic evidence documents. Including an alert system created in EJB-MDB technology, also integrate a dynamic generator of customizable reports for senior management and a report builder tool through filters and subtotals for manager activities.

PlanetMedia México

Internal developments Web/Mobile team Leader

Team leader for developing Web and Mobile platforms in JEE technology. Some projects was tailor solutions to specific clients, which improved on internal projects as part of a standard solution to a typical business topic. Every development were builded on JEE technology with either mysql, postgresql or Oracle as database. The Mobile applications were made on IO's and Android platform. Some of these projects were:

- mWallet: Application developed working with PROSA company, the objective was to create and provide an eWallet to any user with a eBanking account. This solution was builded over SOAP-WebServices technology, with encryption SH1 model for handling ebanking transactions.
- FITA: This app aimed for registration of any kind of visitor: exhibitors, professionals and any one else, the software was realized for the International Tourism Fair of the Americas 2013 edition. A plus in the app, was the inclusion of an agenda, used to

contact an exhibitors with a professional. Technology used was JEE, Struts and EJB, It was implemented over a PostgreSql database with stored procedures to generate daily reports and on demand statistics.

- OMNISUITE (internal project): Conceptualization of different modules, project designed to add intelligence to Web applications, identifying, segmenting and clustering site visitors and generating dynamic content depending on the preferences detected during user navigation. The objective of this design is created to integrate with eBanking services.

Grupo Nacional Provincial

IT Manager

Workflow Program for Claims.
Pilot for the implementation of a Workflow for claims areas . My participation in this project was as Project Manager, with three leaders project that would carry out the implementation of the first application for Damage Claims , Claims Life and Valuation in car accidents . The team was conformed by sixteen developers and analysts.

Prevention of money laundering.
The project comes as a government obligation to reduce the risk that for money laundering . This project had its basis in Article 140 of the LGISMS. My role in this project was as Team Leader for the adequacy of operational and functional processes within the system Andantis. The team was conformed by two developers and an analyst.

Document digitalization.
This project comes as a company need to digitize historical documents in order to improve recovery docs and optimize the search for keywords by operational areas .
My participation in this project was as technical leader with two developers in my charge . My duties included the integration of technical and functional requirements to carry out the digitization of documents of the company; selection of the scanning tool, technology architecture design and operational processes .

Andantis Project.
Project focused to unificate the various systems business lines of the company. The project was conducted jointly with Accenture Spain and Mexico. This project involved developing a three-tier architecture where the presentation of information was through a thin client Java (JSE), was communicated with business rule server in Cobol over a Mainframe and a DB2 data server to storage data.
My participation in this project was divided into two stages:

- Developer (Spain)
    - Mainframe Developer . Technologies used Cobol and IBMDB2 . Adapting application programs Life Claims based on documents functional area. Adequacy of tables and views in the database for programs.
    - Java developer. Technologies used JSE2.0 and IDL 's. Adaptation of the graphical interface and link files with programs located in the Mainframe application for Claims Life.

- Project Manager (México)
    - Coordinate a team of three people to implement the system developed in Spain Sinister Life in conjunction with Accenture.
    - Management of all developments and adaptations to Life Claims and Pensions. I managed a five developers team and two analysts.

Corrective and preventive regional treasury system maintenance.
I integrated a four developers team to plan system improvements and do maintenance each regional treasury office. The code Visual Basic 5.0 to Visual Basic 6.0 was migrated, adding ADO 2.5 technology and optimizing the management of existing classes and libs.

Reconciling system subscriptions bank accounts (Client-Server).
This project consist on reconciliation system of bank accounts adaptation. In this project I acted as technical leader with two developers participation.

Lending mortgage system and documents (Client-Server).
My duties in this project was maintaining and improve performance system. My activities were GUI design , functional integration with other modules and production support. While the integration phase with receiving payment system, I I coordinated the activities with another developer in charge for the implementation of the interface.

Corporate Accounting System (Client-Server).
In November 2000 was required by the Agents area an amendment to accounting system (Concor), which consisted of servicing Lots Rejected by the interface generated with Profit® system. My participation in this project was as a developer and was to build a batch process in C language that generate a file with rejected records and make a report as well as a screen where could maintain the rejected records.

Clients Scorecard
This project consist in the generation of a ScoreCard credit to customer classification policies based on credit history and payments among others. Preparation of the communication interface with credit bureau reports and design with customer classification.

Innova Consultores en logística aplicada

Developer

The projects which I participated

- Direct payroll discount system (DxN) for Liberty Mexico
- As Batch developer for ConCor System (Accounting System) in Grupo Nacional Provincial
- Design and development of an continuos enrolled at various activities to employees for Ramirez Organization (Cinepolis)
- Maintenance to the Lending mortgage system and documents in Grupo Nacional Provincial, as well as the development of a new proposal.
- Design and development of the new system of banking reconciliation accounts in Grupo Nacional Provincial.

Current activities

Universidad Nacional Autónoma de México - DGSCA-TI

Professor of programming languages and project management methodology.

I participate in different courses for graduates of the Academic Computing Services and information technologies, General Direction on the National Autonomous University of Mexico. I'm teacher about:
- XML, XMLSchema y XSLT with JAVA technology
- EJB and WebServices
- JPA
- COM+

Also I teach other courses like Project Management with MSProject, Basic and Advanced Java Language, Java Web Components and Introduction to programming among others.

TSMI Tecnologías al servicio médico integrado

Business Partner

Chief Office Developers on the "integramedicos.mx" solution, which aims to promote the use of electronic medical records in first contact and odontology . The program consisted of six projects in essence, as part of my duties is define the solution architecture and on specific situations coding

- Electronic medical records based on NOM024-SSA3-2010
- Printed Electronic medical records based on NOM168-SSA1-1998
- Handling advertising and coupons drawers for pharmacies and laboratories.
- Medical electronics agenda
- Odontogram management and Periodontal
- Mobile application resources using electronic medical records

The development team was composed of three developers and a designer, incuding at the end two appeals for comprehensive tests. The applications were developed with JSP's, Servlets, Web Services, PHP and MySQL (StoreProcedures/Functions).

At the end of development some additional tools for the promotion and dissemination of software were created. Currently it is working on updating and improving the tool based on customer feedback.

Farias Telecomunicaciones y Cómputo

Business Partner

Company dedicated to the implementation of TI infrastructure projects, technical support computer equipment and telecommunications. We create service contracts to small and medium companies according to their technological needs. Implementation of various solutions about:
- Infrastructure
- Networking

- Telephony, traditional switch, VoIP (asterisk)
- CCTV
- Information security
- Hosting + Web dev
- Email configuration
- Google Apps implementation
- Implementation with OpenCart, OSCommerce, Magento, WordPress, Drupal and SUGAR CRM.
- Application developer Java, communicate and extract data from ERP solutions.

Developer tools

Tool	Experiencia
Technologies:	
Java SE 7	5 years
Java SE anteriores a la 7	10 years
Java EE 5/6 (JSP/Servlets/WebServices/EJB's)	5 years
.Net Platform (COM, COM+)	4 years
HTML5/ JScript/Ajax/CSS	5 years
Cobol-Mainframe	3 years
IBM-Db2 (intermediate)	3 years
MySql (Expert)	10 years
Firebird (Intermediate)	5 years
Mongo DB (Basic)	2 years
Project administration:	
MSProject 2003 – 2010	10 years
WBS	5 years
Project Server 2003	2 years
Analyzer	5 years
Metodologías:	
CMMI	12 years
Scrum	8 years

Certificaciones.

ORACLE
Certified Associate
Java SE 7 Programmer

ORACLE
Certified Professional
Java SE 7 Programmer