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Personal Information

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Academic Studies

- BUP and COU Gustavo Adolfo B  quer institute.
- Computer systems administration 2004-2006 (FP2) Virgen de la Paz Institute.
- First and second year of Computer management engineer 2000-2004, UNED.
- Sun Certified Java Programmer 5.

Experience

Validus IVC

Role: Senior Software Developer

Period: August 2015 - Current

Comments: Exposing a Rest/Json API to all the services that the company has.

Tasks

- Development and implementation.

Technologies

- Spring Boot, REST/JSON, AngularJS, Amazon AWS, Microservices, ElasticSearch.
- SQL Server 2014

Design and implementation of a Rest API to unify all the modules that are actually accessing the database directly. Also migrating all the frontend applications to AngularJS and Bootstrap.

Proxama

Role: Senior Software Developer

Period: November 2014 – June 2015

Comments: Token Manager System for transforming Primary Account Numbers to Virtual Primary Account Numbers so the real one is never stored or used by the vendor.

Tasks

- Development and implementation.

Technologies

- Spring Boot, JDK8, Microservices architecture, REST/JSON, Docker, Angular/JS, Amazon AWS
- MySql 5.5.

My main task were design and implement a backend service that translates PAN numbers in tokens so they can be use for digital payments. Also had to implement a token manager web application to manage all the setting of the token generation using AngularJS as a frontend.

Avalon Biometrics (A Gemalto Company)

Client: Ghana Government

Role: Technical Lead

Period: May 2013 – September 2014

Comments: Visa and Border Control System for the Ghana Government

Tasks

- Functional Analysis.
- Development and implementation.
- Documentation.
- Quality Assurance.

Technologies

- JEE6, JBoss EAP 6.1, Hibernate, Web Services(SOAP/XML and REST/JSON), jQuery/Bootstrap.
- Oracle 11g database.

My tasks were mostly designing and implementing backend services for the .net client use for capturing the applicant's data. Also a restful api to give service for a Visa web portal. JBoss configuration scripting for things like mutual authentication, data sources, authentication options, etc.

Avalon Biometrics S.L.

Client: VFS Global

Role: Technical Lead

Period: June 2012 – May 2013

Comments: Visa capture system, with biometric data capture for requesting visas of several countries (Spain, Sweden, Denmark, Australia, Belgium).

Tasks

- Functional Analysis.

- Development and implementation.
- Documentation.
- Quality Assurance.

Technologies

- JEE6, Hibernate, Web Services, GWT
- Oracle 11g database

My most important tasks have been implementing the security layer (Certificate management tool for encrypting the data captured, Web Service Security Policies, dongle certificate integration), purge policies of all the personal information and integration with several of the countries interfaces to automate the visa generation and giving assistance to our contractor for installation.

Avalon Biometrics S.L.

Client: DGSN (Moroccan Police Department)

Role: Technical Lead

Period: October 2009 – May 2012

Comments: Border control system, with biometric data capture, passport and fingerprint verification. System integration with the still in use system.

Tasks

- Functional Analysis.
- Development and implementation.
- Documentation
- Quality Assurance
- Site installation support

Technologies

- JEE5, Hibernate, Web Services, ESB, GWT
- Oracle 11g database.

Along almost the three years I have worked on this project the most important task I had were the designing of the migration tools, the interfaces for synchronizing the old border control system with our solution, so they could work in parallel with the customer development team. After this, I worked on site (Morocco/Rabat) with the client team for implementation as responsible of the synchronization/migration tools for almost 6 months. For this I had to travel frequently and had to stay at least for two weeks every month on Rabat.

After the designing/implementation phase, I travel frequently (at least two weeks a month), for installation support, discussing change requests, issue tracking on site and bridge between the client and development team for any issue, meeting or requirement that needed the Avalon Biometrics assistance.

Avalon Biometrics S.L.

Client: UNIFIL (Indonesian army on Lebanon)

Role: Technical Lead

Period: December 2008 – June March 2009

Comments: Client-Server application with biometrics data capture and fingerprint verification utilities for the military police.

Tasks

- Functional Analysis.
- Development and implementation.
- Documentation.
- Quality Assurance.
- Site installation support.
- Demonstration and formation of the utilities.

Technologies

- JEE5, Hibernate, Web Services, GWT
- Oracle 10g database.

In this project I was responsible of the entire server designing/implementation infrastructure for saving/retrieving the client data. I also had to travel to Lebanon for a week for onsite installation support and training on the UNIFIL Indonesian Military Police quarters.

Avalon Biometrics S.L.

Client: Intelligentsia (Yaoundé University, Cameroon)

Role: Software Developer

Period: February 2007 – November 2008

Comments: Client-Server application with biometrics data capture. Student ID cards impression with the captured biometric data. Utilities for biometrics verification.

Tasks

- Development and implementation.
- Documentation.
- Site installation support.

Technologies

- JEE5, Hibernate, Web Services
- Oracle 10g database

My main role in this project was server side designing and implementation for saving the biometric data capture by the client. Publishing a web service interface so third party applications integration. A report tool generator.

I also had to travel to Yaoundé, Cameroon, for installation, support and training.

IT Deusto

Client: Telefónica Móviles (Movistar) Spain

Role: Software Developer

Periodo: September 2006 – March 2007

Comments: Client application to analyze audited events (number of unique visitors, page load time, etc...) and finding correlations between two or more variables.

Tasks

- Development and implementation
- Documentation

Technologies

- Java 5, Swing, Servlets
- Oracle 9g

For six months, I work as the main developer on a desktop application for analyzing data from Telefonica servers and finding correlations between different events, like number of request against time, traffic and number of users, etc...

IT Deusto

Client: ISBAN/Grupo Santander

Role: Software Developer

Period: May 2006 – September 2006

Comments: Work as contractor using the internal tools for development (BankSphere, Mira, Vega)

Tasks

- Cobol to J2EE migration of the view layer.
- Localize the programs from Spanish to English.
- Layout.

Technologies

- Websphere/BankSphere 3.2, UML (Rational Rose), Cobol, DB2, J2ee, JavaScript

This was my first job as a software developer. My main functions were learning to use the internal development tools (Mira and Vega eclipse plugins) and language location for English web applications.

Acciona2

Client: Several

Role: Developer/IT administrator

Period: November 2005 – May 2006

Comments: It administrator for several small companies, as a contractor

Tasks

- WAMP application development (Windows over Apache, MySql, perl and PHP).
- Windows domain administrator (Active Directory).

Technologies

- Windows, Apache, Mysql, PHP
- Active Directory

I work as IT support of several small clients that I visit once a week. I also had to do some web forms form my employer.

Languages

- **Spanish:** Native
- **English:** High

Technical knowladge and skills

- Development utilities and platforms
- Java 8, jEE7 (EJB3), Hibernate (JPA 2).
- Spring Boot, Spring MVC, Spring Security
- Soap Web Services with Apache CXF and Metro.
- Rest Web Services with RestEasy, Jersey and Spring.
- Gradle, Sbt, Ant/Ivy and Maven build tools.
- Application servers: Sun Applications Server (Glassfish), JBoss, WebSphere and Tomcat.
- Development Environments: IntelliJ, Eclipse, NetBeans, WebSphere Studio Application Developer (WSAD).
- Web development (Bootstrap, AngularJS, JQuery, GWT, NodeJS).
- Source code repositories: Git, Mercurial, CVS, Starteam, Subversion.
- Docker and Vagrant for building/development/testing environments.

Methodologies

- BDD (Behaviour Driven Development with Cucumber and JBehave).
- TDD (Test Driven Development with JUnit and ScalaTest).
- Scrum

Databases

- Oracle
- MySql
- PostgreSQL

Programming Languages

- Java
- Scala
- Ruby
- Javascript

References available upon request.