Alfredo Bello
Full stack developer

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<Professional Profile />

Developer with more than **10** years of experience in several languages like Java. Javascript, Typescript, and PHP, enterprise web software architect experienced in application design and development, data modeling cross browser user interface design.

<Education />

⭐ Master degree in information technologies
Universidad Interamericana para el desarrollo
2008-2010

⭐ Information system engineer
Universidad Interamericana para el desarollo
2006-2008

⭐ Technical University in Telematics
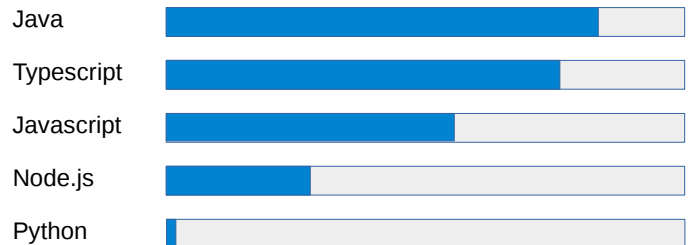Universidad Tecnológica de Nezahualcoyotl
2004-2006

<Work Experience />

◆ **AstraZeneca** / Sep 2016 – Present
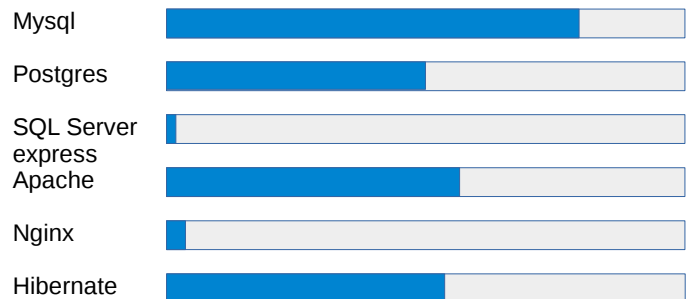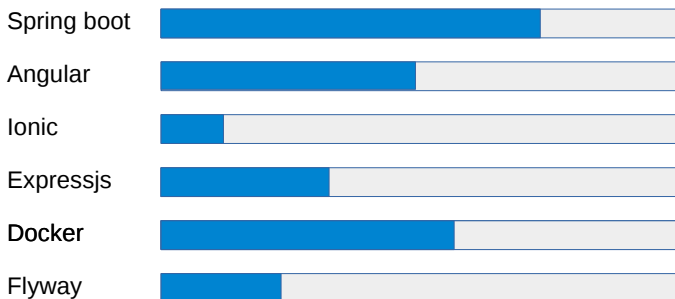Senior Software Developer

◆ **IBM** / 2014 – 2016
Senior Software Developer

◆ **General DataComm** / 2006 – 2014
Software Developer

<Skillset />

Java

Typescript

Javascript

Node.js

Python

<Tools/Libraries/Frameworks/Dbs />

Spring boot

Angular

Ionic

Expressjs

Docker

Flyway

Mysql

Postgres

SQL Server express

Apache

Nginx

Hibernate

<Work Experience Details>

AstraZeneca, project: Qualys Data Process tool, sep 2017 - present

Technology: java, typescript, javascript, postgres angular, spring boot, expressjs, jenkins, docker, sso

Project description:
Qualys Data Process Tool (QDTP) is a website to read csv files form Qualys Scanner, the basic function of QDTP is upload a csv file and download a report, this software is divided in 3 parts, the first one is the client (Angular) this client sends data to the middleware (Expressjs), the middleware has two functions, first is to store the session and the second function is send data to the api (Spring Boot), all the communication is through restful services, the last part of the software is the rest api, this api has all the business logic of the application so is possible to change the front end or back end easily

AstraZeneca, project: Mobility Service Management, jun 2017 – ago 2017

Technology: java, typescript, javascript, postgres angular, spring boot, expressjs, jenkins, docker, sso

Project description:
This portal is the communication between the client (users) and a master server (Airwatch) that handle all the mobile devices in AstraZeneca, the spa (single page application) collect some data about the user and the device and sends this data to airwatch using restful services; the architecture of this software Is in two parts, the first part is with angular 2 and the second is with spring boot, spring boot serves the static files of angular and handle the state of the application

AstraZeneca, project: Ivalue, nov 2017 – feb 2017

Technology: java, typescript, javascript, postgres angular, ionic, spring boot, expressjs, jenkins, docker, sso

Project description:
Ivalue what it does is to save all the compliance signatures of the employees of AstraZeneca, this software manage the code of conduct and it has some news about the company, we use several languages because one of the requirement was to create a mobile app for android, ios and windows, this app has an administrator to control, the news, compliance and code of conduct. My duty was to work on the administrator app, this administrator is a website with angular and sends data to the central api.

IBM, project: DST Ticketing, feb 2014 – sep 2016

Technology: linux, java, python, php, apache, mysql, dojo, codeigniter, jazz, mvc, git, scrum, RTC

Project description:
- Work in the back-end and front-end.
- Analyze Internal product and client specific requirements and create the project functional specifications.
- Create module to send emails to the customers.
- Create the view to show information about of the ticket.
- Implemented wizards to improve the experience with customers.
- Review code of others developers to improve the quality.
- Developing the front ends for human centric workflow operations.
- Create libraries in codeigniter for other developers.
- Track every transaction of the database.

General DataComm, project: Network Monitoring System

Technology: glassfish, java, sockets, maven, mysql, restful, hibernate, dao, thread pool, linux

Project description:
Create a module to send ping using multi-thread.
Listen a socket to receive data from other program using
Map the objects to database with hibernate.

General DataComm, project: Sispro Application Manager

Technology: linux, java, jsp, struts, pmd, restful, json, jquery, mvc, mercurial, scrum, junit, hibernate, mysql, glassfish

Project description:
This project is splited in 3 parts, the first part is a web user interface, the second part is a Restful API and the third part is the back-end in a remote server, I am working in the back-end and front-end (in the web user interface, restful api and in the creation of the socket) my coworker is working in the back-end collecting data, The project is about of networking and collect important data in the network client. One of the goals in this project is to use servers in the cloud or virtual servers.
The data needs to be painted in different devices, the web user interface is developing in "responsive web design" with twitter bootstrap and jQuery in the client side, in the server side I am using JSP, Servlets, Glassfish, Struts 2 Interceptors and Actions obviously with MVC and Hibernate to persist the objects in MySQL, the data is showing in charts with Chart Director library and html tables with Footable jQuery plugin, the communication between web interface and restful api is using Java EE 7 JAX-RS and JSON, I had the responsibility of communicate the Restful API with the back-end; the communication between restful api and remote server is with java TCP Sockets. I am using jUnit test for make the testing.

General DataComm, project: Sispro Sniffer Network

Technology: linux,glassfish, java, swing, pmd, mercurial, junit, hibernate. jms, mysql

Project description:
To create a desktop application I used Java Swing and Java Web Star with drag and drop over Glassfish application server, the connection to data base is with Connetion Pool in MySQL and Glasshfish, I used Hibernate to map the tables and persist the objects in MySQL, this project uses Java Message Services (Topic queue) to send Java objects (HashMaps) to the back-end in the remote server, The remote server is catching the network packets and saving this information in MySQL Infobright. I used jUnit test for the testing.

General DataComm, project: Phone Call Monitor

Technology: linux, apache, php, mysql, jquery

Project description:
Cisco Voice Manager is a software to monitoring phone calls, in this project my coworker used Cisco VM to collect the phone calls and saves this calls in files with text plain, I did the research and the program in Java who reads this files and makes the summary of this data, the data is inserted in MySQL. I also did one web interface in Apache, PHP and jQuery over Linux to show the phone calls but this interface was never used because the data was included in another system.

General DataComm, project: Sispro Traffic Filter

Technology: squid, jsp, struts, jquery, uml, servlets, junit, glassfish, hibernate

Project description:
My responsibilities were: To research a program open source for filter web sites, install it, configure it, create a front-end in JSP, Servlets, Struts, jQuery and Glassfish to show the data, understand the format of the logs, read the logs with java to save the data in MySQL, design the tables, to test squid guard in a network as transparent proxy and also as gateway. Export the data to excel files with POI library; to create PDF reports with iText java library, to create a bash file to install everything, design of UML and documentation. In the testing used jUnit

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General DataComm, project: Sispro Traffic Shaper

Technology: master shaper, jsp, struts, jquery, uml, servlets, junit, glassfish, hibernate

Project description:
My responsibilities were: To research a program open source for to balance all the traffic in the network, install it, configure it, create a front-end in JSP, Servlets, Struts, jQuery and Glassfish to show the data, one part of this project was made the front-end with the specifications of the client, I always used MySQL as database. in the UML I used Argo UML and this project was testing with jUnit test and PMD

General DataComm, project: WallStrong

Technology: linux,glassfish, java, swing, pmd, mercurial, junit, hibernate. jms, mysql

Project description:
My responsibilities were: build a web user interface over jsp in order to show a data with line charts and bar charts, this data also can be exported to excel and cvs, I used Javascript, Ajax, CSS, JSP, Servlets MySQL, the desing needs to be simple and you can consult the information in ranges by days, mounths and hours.

General DataComm, project: Finantial Dashboard

Technology: jsp, struts, jquery, uml, servlets, junit, glassfish

Project description:
I was part of a 4 to 6 person team that designed and implemented a distributed-environment lifetime financial planning application. I designed and built several components of the thick-client Swing product suite, including charts, wizards, reports, recommendations, financial model calculations, and simulations. I was responsible for all of the extensive chart rendering and interaction architecture. It had to be not only performant and feature attractive visuals, but also deal with multiple threads and ui component interactions.

Network Services, project: Developer, Nov 2008 - 2010

Technology: windows, apache, mysql, php, java

Project description:
I was making a lot of programs, I was helping to my co workers in different projects using java, jsp, struts, jsp, jms, php, javascript,jquery, flash, flex, mysql, uml, netbeans until a have my own projects. In this part of my experience I got a lot of acknowledgment.

Network Services Technical Support and Developer May 07 - Nov 08

Technology: windows, apache, mysql, php, java

Project description:
My responsibilities were: fix problems in the network, maintenance email server, create batch files in order to monitoring several processes in the servers; I was attending problems with the users in the network and to made the web site of the company.

Imagen y Creatividad Graphic Designer 2001-2002

I made vector drawings in corel 8, color separations, creation of negatives for prints, design of flyers and silkscreen

Contact Information:

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