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OBJECTIVE

To fill a software developer position on a technology organization, where is required a professional that employs his skills to research, design, implement and improve of solutions to problems.

EDUCATION

Bachelor's degree   2007-2013
Tecnológico de Monterrey, Campus Querétaro
   "Computer Systems Engineer"

LAST WORKS

Manpower Group   From Oct-2016
Project development leader

   I performed the administration of some improvement projects on the Manpower platform for Paraguay. I also, fixed some bugs in production environment related to behavioral differences between iexplorer and chrome browsers.

I reviewed some java code optimizing and adding functionality. Some of these codes were a bill format verifier and a receipt status checker.

I developed a java application (with GUI) for data migration between different environment Data Bases. I also adapted a solution to manage teamwork tasks powered by Mantis Bug Tracker (PHP 7), estimating server requirements, connecting with available resources (SQL server, mysql, SMTP server, intranet DNS) and modifying the GUI for inclusion of some Manpower important elements.

This manager lived in a IIS 8 in windows server 2012.

Bluemessaging   2015-2016
Software developer

I developed and implemented a java (1.8) system with reused PHP (5) code that connects to the most important client's server via SFTP in order to check and retrieve compressed packages with accounts information (around half a million accounts per package). The system downloaded and warned people involved on the process via email, SMS and whats app about these "loads", then divided the information in several smaller packages in order to paralelize the analysis, send them to a data verifier and recovery of damaged data algorithm (designed by me) to be integrated to our database throught a web services Layer of our platform. It then register all logs in a Mysql database and send accounts with irrecuperable errors back to the users by the aforementioned routes. This system was fault tolerant by working in multithread mode and having monitoring threads and lived in a linux server of the company.

I implemented a java application and php web soap service that validate the match between data base information and data extracted from an identification photo (INE, IFE, professional cedula and passport)

for authentication and authorization of infonavit credits by the accredited people. The process consumed a foreign OCR web service and used a levenshtein distance implementation to calculate the match of the identification extraction information with our database's, managing to reduce infonavit consultants' frauds in 90%.

I also developed and/or optimized some services in php, java, java EE and python that connected a Natural Language Processing (NLP) brain with several channels to implement chatbots, these channels include SMS (with multiple SMS providers), Twitter, whats App and LINE. One of the achievements of an optimization was reducing a SMS channel response time from 30 seconds to 2. To connect with SMS providers I used SOAP, GET and POST web services. To connect with twitter I used the java twitter4j library. To connect with LINE I used their restfull service API with json. To connect with Whats app I used the yowsup python library.

Other web services that I implemented had functionalities such as the Conciliation between two databases (Mysql and SQL) and production of automated licensing contracts that used other internal areas of the company in PDF with iText library (this included the automation of the internet licenses sales process of the company).

I also assume the role of project and technical leader, performing requirement engineering and managing some projects (it should be mentioned that I was also developer). Some projects were websites for customer consult (such as the logs of the infonavit account system) to their information in our DB in a friendly way (PHP, java EE, html, css and javascript). One of the sites had a fieldwork routes mapping that used the google maps service.

Some of the developments included fail recovery methods that used amazon web services like SQS to queue fail sended messages and try to send them again later and S3 for file storage.

Fusion Taurina   2013
Half-Time mobile software developer

I used a virtualized Mac OS 10.8 (Mountain Lion) environment and a real iPad 2 testing environment with iOS 5.0, although the development was with PhoneGap 2.3.0 (Cordova) and css/html/javascript web triangle. It used a Restful json BaaS and geolocation. The project was called "Pasaporte taurino", and it was a kind of foursquare for bullfighting fans, with places of interest related to the bulls' world.

SOFT-SKILLS

Effective Communication, Teamwork, Adaptability, Leadership, Meeting skill, Autodidactism, Discipline, Honesty, Ethics, Good Attitude, Critical Thinking, Curiosity, User sensitivity, Listening

EXTRAS

For a more detailed (or friendly viewed) list of technical skills, complete list of my employers, recommendations, online portfolio and more about me, please visit my website on:

http://itzcoatl90.github.io