Monterrey, Nuevo León

Claudio B. Rodríguez

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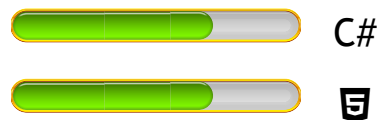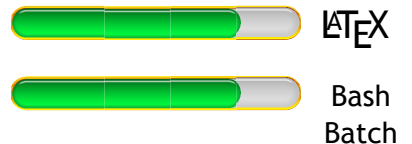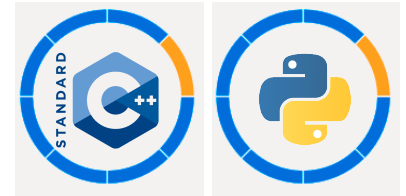- 01 52 8119358682
- claudiordgz.com
- @claudiordgz
- github.com/claudiordgz

About

I've been trying to focus on what the customer wants ever since paying for my expenses while studying Mechatronics Engineering. My love for software started at the end of my Bachelors Degree, when I wanted to get more out of Digital Control. Artificial Intelligence provided me with a solution. Using scholarships and sales I studied for a Masters Degree which allowed me to continue my development as a Software Developer. Working in teams pushed me to develop in Software Architectures, standards, unit tests, and overall, helping my teams push what the customer wanted out the door, all while keeping what I wanted, which is a maintainable and scalable code base.

Professional Experience

AMI GE Automation & Control Innovation
June 2012 - Current

Project: Visual KB / SmartArc

- Provided Customer Support, documenting every single step and creating tutorials reduced customer support from 30 man hours average per project to 1 hour.
- Maintain manual up to speed reducing developers confusion and increasing production of new features.
- Rebuilt the installer application to prevent customer withdrawal from software old look and to improve configuration.

Project: DigitARC PX3

- Developed features for the QNX Embedded System, investigation of Audio Compression to decrease our database files in 60% size without quality compression.
- Provided Customer Support on any issue related, documenting every single step and creating tutorials reduced customer support from 6 man hours average per week to 2 hours per month average.
- Rewrote the Product Manual in LaTeX, added to build system. Modify once, publish on different places.
- Developed C++, Bash and Batch tests for finding breaking points in our system, successfully prevented errors when changes to crucial features of the system were done.
- Built deployment tools that detect changes in our product and have allowed our engineers to test the product for correct communications when installing the software for our customers.

Tech

LaTeX

Bash
Batch

C#

HTML5

Tools

- Git
- SVN
- Windows
- Linux
- QNX

Professional Experience

GE Consumer & Industrial   **2008**

- Developed 147 scheduled maintenance tasks, one for each equipment, deployed and trained maintenance and production personnel.
- Got the right tools for maintenance tasks, performing all the procurement and obtaining all administrative permissions.
- Performed corrective maintenance when necessary, even if it included getting grease all over me.
- Coordinated preventive maintenance tasks with the maintenance personnel.
- Trained Purchasing Leader, Technology Leader, Maintenance Leader, and Production Leader in the use of PMPro tool so they could maximize their benefits from Preventive Maintenance.

Education

Tec de Monterrey   Monterrey, N.L.
Master in Science with Specialty in Intelligent Systems (2010)

- Member of Professorship of Applied Intelligent Agents in Videogames.
- Specialization in Particle Swarm Optimization and Emergent Behavior Algorithms.

Tec de Monterrey Campus Sonora Norte   Hermosillo, Son
Mechatronics Engineer (2004-2008)

Projects

Phoenix2D Project

Open Source project to allow students to develop their own Player to compete in RoboCup Soccer Simulation. Currently redesigning implementation.

- Created build system using GNU Autotools.
- Created website.
- Create documentation.

Ad Generator

- Developing Cross Platform App to Allow easier Ad Generation for multiple web platforms.