Data Analyst│ Business Analyst| .Net Developer

JOSE FERNANDO TELLEZ RENDON

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PROFILE I am professional Data Analyst with a background in web development and engineering, coming with ample experience in Extract, Transform, Load (ETL) processes used to transform, cleanse, validate and audit large datasets to be utilized in various business applications, particularly for Enterprise Resource Planning (ERP) systems such as Workday. I strive for collaborative roles in fast paced environments that require organization, planning and prioritization while applying best practices in SCRUM/Agile environments. I possess strong written and verbal communication skills, a positive costumer service attitude, and I place great value in teamwork and cooperation while being able to prioritize and plan task in accordance with organizational and team goals using my technical and interpersonal skills.

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| **Server-Side Programming Languages:** Python, C#, JavaScript,PHP  **Programming/Markup Languages (Dashboard):** HTML, XAML, CSS, VBA (Excel) |
| **Database Technologies:** MS SQL server, PostGr SQL, Oracel PL/SQL  **Agile/SCRUM Software**: Jira  **ERP Systems**: Workday, Banner  **Version Control**: Git, Github Desktop  **Visualization Tools**: Tableau, Power BI, MS Excel  **Cloud Computing Tools:** Hadoop, Microsoft Azure  **Machine Learning Algorithms:** Standard Gradient Regressors, Support Vector Machines, Decision Trees Classifiers, Perceptron Neural Networks  **Machine Learning Implementation Libraries**: Keras/Tensor Flow, pytorch (Deep Learning) sci-kit learn (Machine Learning) |

TECHNICAL SKILLS

WORK

EXPERIENCE **PDD DATA ANALYTICS STUDENT**

Langara College, Vancouver British Columbia, Aug 2021- Present

* Developed and implemented a validation and cleaning procedure and maintenance plan to amend data integrity issues in student Biographical (Bio) Data in cooperation with the college’s Registrar’s (RES) and Information Technology (IT) departments
* Developed and algorithmic pipeline utilizing Python Pandas data processing library and various Data Analysis Expressions (DAX) to identify and report data integrity and formatting issues. The algorithm automates various processes that required manual intervention, greatly reducing processing times, and reports metrics to identify various trends in data entry and clerical errors
* Performed Natural Language Processing (NLP) and Clustering analysis on interview and team workshop written comment data to identify trending topics and main extract main concepts discussed during the workshop sessions
* Developed various visualization dashboards based on statistical analysis and pivot tables to illustrate trending topics in workshop comment data
* Tracked and reported data quality metrics on student Bio Data information in accordance with data conversion guideline

**.NET** **SOFTWARE DEVELOPER**

Green Coastal Engineering, Miami Fl (Remote Position), Oct 2020- Present

* Utilized Windows Presentation Foundation (WPF) and the MVVM Design Pattern to develop and deploy customized engineering desktop applications for structural analysis and design
* Utilized WPF and the MVVM Design pattern to develop a financial management system for the company. The program effects CRUD operations on an MS SQL database using Entity Framework
* Developed ArcGIS geographical applications for coastal engineering projects, utilizing the ArcGIS API suite to develop cartographic visualizations

**FORENSIC ENGINEER**

DeSimone Consulting Engineers, Bogota, Colombia, July 2015- Dec 2020

* Developed Asset Exploration, Evaluation and Remediation Plans with standard Business Process and Model Notation (BPMN) and team coordination for large scale infrastructure damages evaluation, resulting in an overall 10% cost/time reduction in the project folder
* Performed investigation interviews with affected parties after engineering failures or damages to assess the status and extent of the damages and their possible root cause
* Based on information collected in field, prepared analysis reports for clients that detailed damage root cause, extent of client’s liability or legal and financial exposure as well as engineering remediation procedures.

**PROJECT ENGINEER**

Chevron Petroleum Company, Bogota, Colombia, Apr 2012- May 2013

* Developed a contract tracking excel spreadsheet, using VBA macros streamlining and optimizing the sub-contractor’s invoice approval process, ultimately reducing invoice approval times by 10%
* Created a comprehensive project schedule and process diagrams utilizing business mapping and optimization, along with BPMN techniques and methodologies, effectively coordinating tasks for a team of over 25 sub-contractor companies
* Developed a detailed construction budget, through the coordination various design drawing sets and service contracts, achieving a 96% accuracy rate in the cost estimation vs actual expenditure
* Participated in the logistical planning in the physical relocation of over 300 offices, achieving a completely accident-free operation and successfully relocating every workstation within the allocated time frame and no malfunction reports
* Developed project terms of reference for both construction and auditing for the project, successfully incorporating subcontractors meeting the project’s technical requirements and within time and budget constraints

EDUCATION **Post Degree Diploma - Data Analytics-** Langara College, Vancouver Canada -2021

**Master of Engineering Studies** – Project Management, University of Auckland, Auckland New Zealand -2014

**Master of Engineering** – Structural Engineering, University of Los Andes, Bogota, Colombia -2012

**Bachelor of Engineering**-Civil Engineering, University of Los Andes, Bogota, Colombia-2010