Mariana Ceballos

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Summary

- Advised the Director of the Big Data division of the largest bank in Mexico in the implementation of new technology.
- Over 5 years of experience using python, SQL, and other languages to create successful data pipelines.
- Certified as an AWS Cert Solutions Architect Associate.
- Implemented major Obamacare Data Analysis for 14k users.
- A fast learner and out-of-the-box thinker who can make connections among different fields (Mechanical Engineering, Computer Science, Biomedical Engineering, etc..).
- Selected to participate in a sensitive FDA data-driven inspection which saved a major guidewire producer from closing.
- Have successfully managed sensitive data such as patient files, personal information, and insurance information.

Education

B.S. in Information Systems Technology-Software Engineering Concentration   Current
Miami Dade College, Miami, FL

College Certificate in Enterprise Cloud Computing
Miami Dade College, Miami, FL

M.S. in Mechanical Engineering
Texas A&M University, College Station, TX
Thesis: Influence of salinous solutions in the pressure and volume modulations of the intracranial cavity

B.S. in Biomedical Engineering
Florida International University, Miami, FL
Senior design project: A novel oxygenation catheter assembly for the treatment of hypoxia

Certifications

CompTIA Cloud Essentials+
AWS Cert Sol. Architect Associate
AWS Cert Cloud Practitioner

Relevant Skills

- Database — Mongo, Hadoop, MySQL, PeopleSoft
- Platforms — SQL Server, MongoDB, AWS, Hadoop, Solidworks
- OSs — Linux, Windows
- Mathematics — Ordinary DE, Partial DE, Calculus, Linear Algebra
- Microsoft — Word, Project, PowerPoint, Access
- Statistics — Hypothesis testing, DOE 2k, Regression, ANOVA & QC
- Software — Python, C, C++, MATLAB, SQL, JAVA, PHP, HTML, CSS, JavaScript (React)

Relevant Professional Experience

Senior Data Analyst   July 2017-Current
Miami Dade College Miami, Fl

- Lead Analyst with over 5 years of experience.
- Created successful queries and reports using power-bi, excel, python, and SQL.
- Currently tasked to oversee major Obama care data-analysis project for 14k users.
- Oracle HCM Benefits configurations.
- Generated innovative data pipelines and obtained 5 Institutional Review Board approvals one was for an innovative method to track student success which was designed by me.
- Worked on special excel and access applications with functionality using VBA code.
- Participated in 2 successful 5 million grant applications (data portions).
- Have produced several data-driven reports for funding agencies.

CAM Advisor
Oka Unlimited, Miami and Mexico   Jan 2016-July2017

- Have applied analytical tools and knowledge to diverse scenarios including software-based capital projects.
- Worked on front-end development using AWS: React, S3, HTML, Bootstrap, DynamoDB, Redshift, IAM.
- Effective business leader who can learn fast and deliver results even in tough scenarios.

*Operations Manager-**Consultant***   August 2015-Jan 2016
Pharmacy Depot, Houston, TX

- Prepared statistical reports for presentations to the principal investigator (PI).
- Produced and analyzed statistical and financial reporting to evaluate business needs and regulatory requirements.
- Configure, manage, and use pharmacy software.
- Participated in the sale of the business, and preparation of reports for new owners.
- Trained employees on new policies, procedures, and technical updates.
- Oversaw daily business operations, including account management, Human Resources, insurance management, and payment processing. Reconciled payments and manage financial operations.
- Monitored, tracked, and reported KPI results to leadership.
- Evaluated staffing levels and identified gaps.
- Hired, onboarded, and trained personnel across functions.

*Big Data Programmer-**Consultant***
BBVA Bancomer, México, DF   October 2014-April 2015

- Contributed to a database system design based on multiple open-source technologies.
- Advised the Director of the Big Data division of the largest bank in Mexico in the implementation of new technology.
- Tested installations and migrations in the Linux operating system.
- Worked with Hadoop Ecosystem: HDFS, MapReduce, Hive
- Programmed Mongo for single-node installation.
- Created graphs and edited their code in D3, including Force Layout, Sankey, and Maps.
- Developed skills in analyzing requirements, planning tests, creating test cases, and executing tests.

CAM Manager
Oka Unlimited, Miami, Fl   October 2011- September 2014

- Communications with residential owners and clients.
- Advised the board members on Florida Statutes.

Academic Based Experience
Research Assistant in 3 different institutions: August 2004- August 2011

- Mechanical Engineering- Texas A and M, Miami, FL
- Biomedical Engineering Department- University of California San Diego, San Diego,
- Applied Research Center (Florida International University), Miami, FL
    - Sample preparation and analysis with Matlab
    - Statistics: DOE, SAS