



LUIS FERNANDO

CARDIEL AVILA

COMPUTER SYSTEMS ENGINEER

DISABILITY: HEARING

PROFESSIONAL CERTIFICATE: 10357127

MASTER IN ANALYSIS AND

VISUALIZATION OF BIG DATA – FROM

UNIR - IN COURSE

MY WEB PAGE:

[HTTP://LUISFERNANDOCARDIELAVILA.NETLIFY.APP](http://luisfernandocardielavila.netlify.app)

WORK EXPERIENCE

Xiafra Data Engineer

July - December 2022

<https://xiafra.com/>

- Enabled data pipelines for data-driven customer decisions through data collection, transformation, and publishing on GitHub. I was doing design, build, operate, provide continuity, and monitor data processing systems with a particular emphasis on security and compliance, in the Cloudera Hive-Impala, Scalability and Efficiency, Reliability and Fidelity, Flexibility and Portability. A professional data engineer must also be able to leverage, deploy, and continuously train SQL machine learning models.
- Designing for pipelines in SQL, Able to efficiently handle large volumes of data and Spark SQL.
- Development and documentation of Scala, Spark, and SQL practices that were to be used in different clients and projects.
- Identify and share with the team improvements, ideas, or points of view about the different projects and data problems, in the Meet, Telegram, Jira Tool, Slack, ALTAIR Agile, TeamWork, and Scrum (3 days a week discuss the activities) and also, TeamWork to guarantee the consistency of the results.
- I learned to be flexible and adaptable, able to constantly face the different situations that arise throughout a client project, and new technologies in the market and I practiced Python, SQL, and Spark in the assigned projects.

Innovattia Data Engineer

January - June 2022

<https://www.innovattia.com/>

- Installed, configured, and managed SQLserver 2017 and 2019 databases
- Specify integrity constraints to secure data
- Support in guaranteeing the high availability of the database by making robust solutions
- Managed Win10 and 11 operating systems where the databases ran, SSRC, SQLServer, MySQL, and Postgress.
- Designing data distribution and storage solutions
- Guarantee the security of the databases, including backups and recovery of disasters
- Implemented the Backup and maintenance backups of the database
- Develop database tuning tasks, both in SQL queries and in server configuration.
- Develop replication tasks through native SQL Server tools.
- Support the integration of third-party applications
- Develop audits through the native tools of SQLserver, MySQL
- Capacity planning (managing the growing volume of databases)
- Change and update management

CONTACT



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Mexico City

PROFESSIONAL PROFILE

My name is Fernando Cardiel, I am from Mexico City, I am analytical and I use analytical tools and the programming language Python and SQL. I consider myself a persevering person in a good environment that provides for my goals, willing to work in a team, analytical, disciplined, responsible, and focused on my goals, supporting individual and collective growth and perseverance and also I am a person who does not know the limits and I have a hearing disability, I DO NOT answer calls, I can write through WhatsApp or Google Meet and I can say one more thing, I do not know how I consider myself, I am a Deaf being, it is not an impediment to work at the same level as a person Listener.

LANGUAGE

- Spanish: Native
- English: Conversational

SKILLS

- Python
- Javascript
- SQL (Mysql and Postgress)
- NoSql (Cassandra)
- Hadoop = Cloudera(Hive-Impala)
- Spark with Python
- GCP
- Linux, PowerShell and Git
- Projects management
- Software development
- excellent skills
- Communication
- Project documentation
- Problem detection
- Troubleshooting
- Strong work ethic

WORK EXPERIENCE

Data Analyst NDT-GLOBAL

June 2013 - May 2021

<https://www.ndt-global.com/>

- Detected, diagnosed, and modeled the data channels of each type of pipe crack in Mysql and excel of class types (circumferential or axial cracks, metal loss, geometry, mapping, and more), supported by the risk analysis that the channels faced of data with colleagues and to make decisions such as Excel, MySQL, Tableau, Visual Basic tools, I drove the development of the most accurate data, to allow operational efficiency, my data analysis, my project management to take advantage of the tools company to offer complete In-Line Inspection (ILI) solutions. I had good results in execution, data quality, and report delivery on time, being a Data Analyst for 8 years.
- I identified the pipe installations, identified the records in the data and filtered in Excel, and imported for SQL on reviewing the quantities of pipes, the changes in wall thickness, types of pipes, and captured images of damaged cracks.
- Correlated, aligned, and linked customer maps, records, alignment sheets, or PODs to the data and created a tally record in TableAu, NDT Global proprietary software.
- Interpreted information from above ground markers (AGM): apply, edit and generate a Geolocation location reference list to locate pipes to identify yourself on this data in Excel, SQL.

Data Engineer NDT-GLOBAL

August 2021 - November 2021

- I identified the data of numbers of circumferential welds, longitudinal welds, and spiral welds applicable to the data set by means of the company's private software, Excel Mysql, Postgres, and Cassandra, and we also found captured photos of pipes that had the anomalies of the data not only poses a serious threat to the pipeline's operation but also presents potential hazards to the environment.
- I identified the facilities, the data flows, created visualization graphs of lines, bars, maps in the TableAU and made POD (PROBABILITY OF DETECTION) modifications with the data and created a record of the data count, analyzed with the team with the throw and catch sensors. and knowledge and characteristics of all non-destructive testing measuring instruments.
- Participates and works collaboratively in the tasks that correspond to him, oriented towards common objectives and the strengthening of the team.

Project Charges NDT-GLOBAL

February 2019- May 2021

- I was in charge of projects on numerous occasions, yielding good results.
- I assigned the projects, they were my responsibility and I guided the project team
- Collaborate and communicate effectively with the project area and other participants, to provide technical support and assistance in TeamWork, Jira Tool, Slack, ALTAIR Agile, TeamWork, and Scrum (I did it 3 days a week discussing my activities) and also TeamWork was to guarantee consistency of the results.
- Reviewed data feeds and initiated necessary corrective actions
- I identified pipe installations and accessories, identified the data, and filtered in Excel Query and MySQL on the changes in the data such as wall thickness, characteristics of pipe damage, types of pipes, etc.
- Correlated, aligned, and linked client maps, records, spreadsheets,
- Procedure for stopping and starting up the system equipment.
- I learned to be flexible and adaptable, able to constantly face the different situations that arise throughout a client project and each member of the team was to maintain a safe and healthy environment and a business culture to offer them better results every day. .
- Non-destructive tests (penetrating inks, magnetic particles, ultrasound, thermography) and interpretation of results and background.
- Prepared and interpreted reports to the responsible area.

WORK EXPERIENCE

Assistant and Coordinator at the Partido Del Trabajo

January 2010 - April 2013

<https://partidodeltrabajo.org.mx/2017/>

- Collected and analyzed the data with different frameworks in Excel.
- Designed enhancement of images with Photoshop, Adobe Effect, and Adobe Illustrator, for printed institutional policies.
- Attend support to citizens, in the area of the government table Partido del Trabajo.
- My achievement was to identify the processes to give recommendations, find solutions, streamline the processes to increase the support process to increase the votes of our candidates, and supervise the guards in the INE modules for the voting strategy.

EDUCATION

Master in Analysis and Visualization of Big Data

August 2022 - May 2024

International University of La Rioja (UNIR)

- In progress

Computer Systems Engineer

September 2011 - July 2014

UNIVERSITY OF BUSINESS AND PEDAGOGICAL DEVELOPMENT
(UNIVDEP MEXICO)

- Titled

Civil Engineering

August 2008 to December 2010

UNIVERSITY OF THE VALLEY OF MEXICO COYOACÁN CAMPUS
(UVM-MEXICO COYOACAN)

- Truncated

DIPLOMAS

Diploma in Soft Skills and management skills 2022 - 2023
International University of La Rioja (UNIR)
In progress

Digital Project Management 2022 - 2023
International University of La Rioja (UNIR)
In progress

Data & Business Analytics 2022 - 2023
Universidad Internacional de La Rioja (UNIR)
En curso

GOOGLE CLOUD PLATFORM GCP

[Darle click ctrl + mouse para ver mis certificado](#)

COURSE CERTIFICATES

Click ctrl + mouse to see certificate of each course

·BApache Spark con Python
Udemy - UC-fff62073-5499-493b-97a9-9a2e1dfa4277

Big Data y Spark: ingeniería de datos con Python y pyspark
Udemy - UC-22c5fd15-aff0-4fb5-81c5-63274c436450

Spark and Python for Big Data with PySpark
Udemy - UC-c1a77692-c0d0-4ec2-982c-c46617ce0d1e/

Apache Airflow - The Complete Hands-On
Udemy - UC-37fdcaeb-a0ea-4d69-8b25-60e0789ca430

Spark con Databricks
Coursera - G65J8DHYM6EG

Apache Spark with Scala
Udemy- UC-cac9b211-8d4a-4361-9061-f5a10da7cdab

Aprende Oracle PL/SQL desde Cero
Udemy - UC-90c6ebff-d078-4ec2-872e-610c250c6dd3

Azure Data Engineer con Databricks y Azure Data Factory
Coursera - 7NKQCVK62LYH

Dashboards with Streamlit and Python
IBM Coursera 6d2f726e-gbc8-4dcb-854b-195579f3992b

Data Science with Scala
IBM Coursera - 3FRGXSGNM7WE

COURSE CERTIFICATES

[ETL and Data Pipelines with Shell, Airflow, and Kafka](#)
Coursera - K8H3QEPMMLSB

[Explore stock prices with Spark SQL](#)
Coursera - AXPDCU4AH97H

[Fundamentals of Database Systems](#)
Coursera - FSSC6T93VPVN

·Big Data Foundations – Level 1
IBM 879cd6bf-7a08-4e5d-8dd3-7abb3f24182f

·Foundations for Big Data Analysis with SQL
Coursera Cloudera - CCEHS2279ZPP

· Introduction to Big Data with Spark and Hadoop
IBM Coursera - 9F57UM9FS7RP

· Introduction to Data Engineering
IBM Coursera - FGKMKF6KJ7KU

· Introduction to Relational Databases (RDBMS) Coursera
IBM Coursera - 4K6TE4XPLAYC

·Introduccion Java
Unam- Coursera- ZTX2U2J5S83U

·SQL - Curso completo de Bases de Datos - de 0 a Avanzado
Udemy - UC-9b421ee5-8534-4928-9a96-5276f2c05dfc

·Excel Avanzado
Tec milenio f1d2424c-548f-44cd-89ec-a8c99be75bfe

·Tools for Data Science
IBM Coursera F57BUGLS9UD5

·Whats is Data Science
IBM Coursera - 3FRGXSGNM7WE

·SQL y MySQL
Udemy UC-3a3894f9-623a-410f-9e2c-032f9a8cea0b/

-Spark con Databricks (Big Data)
Coursera G65J8DHYM6EG

-Azure Data Engineer con Databricks y Azure Data Factory
Coursera 7NKQCVK62LYH

-Dashboards with Streamlit and Python
Coursera GEUKERM5C7KH

-Scala en Big data con Databricks
Coursera XVZEH9ZKU6M7

COURSE CERTIFICATES

·Programacion Java

Unam - UNA-290722-7Y5-00143

·Introduccion a la Programación

Unam - UNA-290722-7Y5-00143

·Programacion PHP

Unam - UNA-290722-7Y5-00143

·Apache Spark 3 - Spark Programming in Python for Beginners

Udemy - UC-da37fda6-aa15-4c05-8f16-1edc6ca1143c

·Excel Completo - Desde Principiante Hasta Avanzado

Udemy - UC-31dcaefc-6a28-4b06-8dc0-c4b03b3bc075

·Introduccion a la Programacion con Pseudocodigo

Udemy - UC-36de3f66-b36f-49a8-90ff-a032b585fab4

·Introduction to Project Management

Udemy - UC-ag1fef02-992b-46b0-a806-a75616ce578e

·Maestro de Python: De Cero a Programador

Udemy - UC-fgdfb768-46e8-4bde-a17d-332e29c17712

·Microsoft SQL Server Database Administration

Udemy - UC-2f13231b-dfad-47d3-ba24-52095efec941

·Máster en fórmulas y funciones de Excel

Udemy - UC-5ffd6218-248b-4ef5-8353-331fe512b8f3

·Data Science with Scala

IBM Cognitive Class - 6d2f726e-9bc8-4dcb-854b-195579f3992b

·Hadoop 101

IBM Cognitive Class - c52a15690847474db8010ee7823c5ace

·System Administration and IT Infrastructure Services

Coursera Google - FMJ86SgXXQPT

·Tableau 2021 de la A a la Z: Domina Tableau en Data Science

Udemy - UC-3a7000d5-c784-418d-a5bd-cea1253996a7

·Technical Support Fundamentals

Coursera Google - ES6L688PAL7Y

·IT Security: Defense against the digital dark arts

Coursera Google - ARS4EURJCSB3

·Grammar and Punctuation

Coursera - X9N88QCEPV34

COURSE CERTIFICATES

·The Bits and Bytes of Computer Networking

Coursera - AZJRW626P2FB

·Programming Foundations with JavaScript, HTML, and CSS

Coursera - 7WX6K7CMQH2Y

·Introduction to HTML5

Coursera - UTQUCP7247ZD

·Machine learning with Apache SystemML

IBM Cognitive Class 017bb7432d9b41099872caac7632c597

·MapReduce and YARN

IBM Cognitive Class dbb15f30f22d430dabb845b58cb73bdc