M.S. Oscar Azeem Becerril Domínguez

Curriculum Vitae

Information

Born October 22, 1992 (28 years old). Mexico. CDMX

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Professional Profile

Data Engineer and Business Intelligence Developer

Experience as Data Engineer and Business Intelligence developer. Building, maintaining and automating ETL processes and pipelines complying with business rules and cases. Employing several technologies such as Informatica PowerCenter (IPC), Exadata (Oracle), Teradata for single node computation, and Hadoop (HDFS), Spark (Pyspark), Scala for distributed workload. Proficient knowledge working with Unix, coding Bash, and KSH scripts, using built-in tools such as AWK and RegEx for data cleaning. Knowledgeable with SQL and PL/SQL.

Work Experience

Current / 09-2020 **BBVA - Softtek**, *Data Engineer*,
Activities: Schemas creation and definition of Avro and Parquet files for the Hadoop HDFS Data Lake. Use of Spark (Pyspark) for data ingestion and validation. System control version utilizing Bitbucket and Jira for management. A DevOps culture through Jenkins, Jira (Atlassian), Jfrog Artifactory, and Bitbucket integration. Creating, maintaining, and implementing batch JOBs through the BMC Control-M scheduling software.

09-2020 / 06-2018 **BBVA - Softtek**, *Business Intelligence Developer - ETL (IPC)*,
Activities: Use of the pmrep and pmcmd embedded commands from Informatica PowerCenter inside BASH/KSH scripts to automate workflow execution, extraction, importation, and exportation. Implementing IPC transformations such as Expression, Filter, LookUp, UpdateStrategy, Joiner, Union, SQL, Stored procedure, Normalizer. PL/SQL query translation to IPC mapping/workflows complying with business rules. Retrieval information from multiple sources like Mainframe computers, Data Lake repositories, RDBMS databases (Oracle, Teradata). Creating, maintaining, and implementing batch JOBs through the BMC Control-M scheduling software.

06-2018 / 03-2018 **AT&T - Ibérica**, *Jr. Data Analyst*,
Activities: Develop machine learning models such as Random Forest, Polynomial Regression, and Support Vector Machines to obtain the 3G and 4G cellular cells' failure probability for each day, using Python Scikit-Learn libraries. Data cleaning applying Python Pandas and Regex for CSV files. Loading of information to SQL Server for reporting and further analysis.

Education

2016-2018 **M.S. Telecommunications Engineering**, *Instituto Politécnico Nacional*, Sección de Estudios de Posgrado e Investigación (SEPI) ESIME, Zacatenco.
Master's Degree. Network computer and Machine Learning speciality.

2011-2016 **Communications and Electronics Engineering**, *Instituto Politécnico Nacional*, ESIME, Zacatenco.
Bachelor's Degree. Computation speciality with professional license

Certifications

2020-2021 **Scaled Agile Framework SAFe 5**, *Certified SAFe 5 Practitioner*, Scrum practitioner.

Computational Skills and Agile Software Development Methodologies

Languages	Python, SQL, PL/SQL, BASH, KSH, Scala, C, C++
DBMSs	Teradata, Oracle, MySQL, Hadoop
BI	Informatica PowerCenter (IPC), BMC Control-M Scheduling, Remedy, Jira, Scrum
Platforms	Unix, Windows
Tools - Libraries	Git, Github, Bitbucket, Jupyter Notebook, ScikitLearn, Numpy, Pandas, Matplotlib, Seaborn, Teradata Studio, Oracle SQL Developer, MySQL Workbench, TexStudio, Office Suite (Excel, Word, Power Point).
DevOps	Jenkins, Jfrog Artifactory
Agile	Certified SAFe 5.0 Practitioner, Scrum

Languages

Level C1 endorsed by the EF SET organization.

		Comprehension		**Speaking**		**Writing**
		Listening	Reading	Interaction	Production	
Spanish	Mother tongue	*100%*	*100%*	*100%*	*100%*	*100%*
English	Advanced	*95%*	*100%*	*85%*	*85%*	*95%*

Conferences

2018 **Congreso Nacional de Expo Acustica**, *http://www.expoacustica.ipn.mx/*, Topic: "Reconocimiento de voz utilizando redes neuronales", México. CDMX.

2017 **XVI Congreso Nacional de Ingeniería Electromecánica y de sistemas**, *http://www.sepi.esimez.ipn.mx/cnies/*, Topic: "Algoritmo IMO y SVMs para la elaboración de un sistema de red de detección de intrusos ligero basado en anomalías mediante la base de datos NSL-KDD, México. CDMX.

2016 **Coloquio de Seguridad en Redes de Computadoras**, *Topic: "Sistemas de red de detección de intrusos y Machine learning"*, México. CDMX.