






ANDRÉS DARÍO TORRES TORRES

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



ABOUT ME

Accomplished Lead Data Engineer with over a decade of experience specializing in the implementation of Business Intelligence and Data Analytics solutions. Proficient in developing descriptive, diagnostic and prescriptive models, from architecture definition to production monitoring. Skilled in all aspects of the data lifecycle, including analysis, design, development, testing, tuning, and administration. Proven record of success utilizing several methodologies, including Kimball, Inmon, and Agile, to deliver successful projects that meet and exceed client expectations. Demonstrated ability to interpret client business needs and contribute to presale activities, driving consultative sales in diverse industries such as banking, insurance, logistics, education, infrastructure, investment, publish and retail.

EDUCATION

Institution	Title	Year
Universidad Libertadores	System Engineer, bachelor's degree	2012
Fundación de educación superior San José	System Engineer, associate's degree	2007

CERTIFICATIONS

Certification Detail		Date
	Microsoft Certified: Azure Enterprise Data Analyst Associate	February 2023
	Microsoft Certified: Azure Fundamentals	July 2022
	Microsoft Certified: Azure Data Fundamentals	April 2022
	Microsoft Certified: Data Engineer Associate	December 2021
	Microsoft Certified: Power BI Data Analyst Associate	November 2021
	IBM Certified Solution Expert Cognos BI	June 2017
	IBM Certified Developer Cognos 10 BI OLAP Models	May 2017
	IBM Certified Designer Cognos 10 BI Reports	March 2017
	IBM Certified Developer Cognos 10 BI Metadata Models	March 2017
	MCSE Microsoft® Certified Solutions Expert: Data Management and Analytics	April 2017

Certification Detail		Date
 MCSE Microsoft® Certified Solutions Associate: SQL 2016 Business Intelligence Development		April 2017
 MCSE Microsoft® Certified Solutions Expert Business Intelligence		June 2013
 MCSA Microsoft® Certified Solutions Associate SQL Server 2012/2014		May 2013
 MCITP Microsoft® Certified IT Professional PRO: Designing a Business Intelligence Infrastructure Using Microsoft SQL Server 2008		April 2013
 MCTS Microsoft® Certified Technology Specialist Microsoft SQL® Server 2008, Business Intelligence Development and Maintenance		March 2013

SKILLS

Engineering Practices:

Analytics and Visualization Agile Methodologies Best Practices in Data Platforms Big Data Solution Architecture Business Architecture Business Intelligence Life Cycle Business Modeling Cloud Data Services Cloud Platforms	Collaboration and Communication Consultative Sale Data Development/Deployment Data Integration and APIs Data Modeling and Design Data Performance Optimization Data Pipeline Design/Management Data Quality and Validation Data Security and Compliance	Data Storage and Management Data Warehousing DevOps and CI/CD ETL/ELT Solutions Inmon Methodology Kimball Methodology OLAP Analysis and Cubes Programming Languages Queries Writing/Optimization
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Technologies:

Amazon Web Services S3 Apache Databricks Atlassian Bamboo Atlassian Confluence Atlassian Forge Atlassian Jira Enterprise Architect Modeling ESRI ArcGIS flyway (automate database deploy) Git Hub Google Cloud Storage IBM Cognos BI Architecture IBM Cognos BI Platform Administration IBM Cognos BI Report Development IBM Cognos Framework Manager IBM Cognos Query and MDX IBM Cognos Report Studio IBM Cognos Transformer OLAP IBM ICM IBM Informix MS Access MS Azure MS Azure Analysis Services	MS Azure Blob Storage MS Azure Cloud Services MS Azure Data Analyst MS Azure Data Engineer MS Azure Data Factory MS Azure Data Lake Storage MS Azure Databricks MS Azure DevOps Boards and Reports MS Azure DevOps Pipelines CI/CD MS Azure Key Vault MS Azure Power Platform MS Azure SQL Data Warehouse MS Azure SQL Virtual Machines MS Azure Synapse Administration MS Azure Synapse Dedicated SQL Pools MS Azure Synapse Serverless SQL Pools MS Azure Synapse Notebooks MS Azure Synapse Pipelines MS C# MS Excel MS Power Apps MS Power Automate MS Power BI Architecture	MS Power BI DAX and M MS Power BI On Cloud and On Premise MS Power BI Report Development MS SharePoint MS SQL Management Studio MS SQL OLAP Services and MDX MS SQL Server Architecture MS SQL Server T-SQL MS SSAS Multidimensional MS SSAS Tabular MS SSIS MS SSRS MS Visual Basic .NET Oracle Database Oracle SQL Developer Oracle Warehouse Builder PL/SQL PySpark Python REST-API Source Service Snaplogic (ETL Tool) Snowflake Sybase
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EXPERIENCE

Company	Start Date	End Date	Job Role
10 Pearls	April 2023	Ongoing	Senior Data Engineer
Optimize IT SAS	October 2023	February 2024	IBM Cognos Consultant
EPAM Systems Colombia SAS	June 2021	March 2023	Senior Data Analyst
Pronostica SAS	January 2020	May 2021	Architect Business Analytics
	October 2015	December 2019	Lead Tech Business Analytics
Informática & Tecnología Stefanini Ltda	July 2012	September 2015	Senior Business Intelligence Developer
Servientrega S.A.	January 2011	June 2012	Business Intelligence Developer
Sonda	April 2010	December 2010	Software Developer
Margen Cero SAS	December 2008	March 2010	Software Developer

PROJECTS EXPERIENCE

Company	10 Pearls	April 2023 - Ongoing
Project Role	Senior Data Engineer.	
Customer	SAGE Publications INC - https://us.sagepub.com/en-us/nam/home - SAGE is an American independent publishing company, It publishes more than 1,000 journals, more than 800 books per year, reference works and electronic products covering business, humanities, social sciences, science, technology and medicine.	
Project	Data engineer services to customer project management (CPM) requirements.	
Key Business	Publishing.	
Participation	<ul style="list-style-type: none"> - Backlog grooming sessions to define priority of stories using Agile Methodologies with Jira and Confluence tools. - Analyzed, designed, and modeled CPM Data-Marts, definition of physical and logical model using Enterprise Architect Modeling. - Building Bronze, Silver and Gold Layers of data architecture on MS Azure using Synapse Serverless SQL Pools, Notebooks, PySpark and Pipelines. Even, Azure Data Lake Storage as repository. - Building dimensions and fact-tables of CPM Data-Marts on MS SQL Server on-premises using SSIS. - Building CI/CD process on MS Azure using Git Hub and DevOps Pipelines. 	
Team	1 Delivery Manager, 1 Business Owner, 1 Architect Leader, 2 Senior Data Engineers, 1 QA and 1 Scrum Master.	
Databases	MS Azure Synapse Serverless SQL Pools and MS SQL Server 2019.	
Technologies	Atlassian Confluence, Atlassian Jira, Enterprise Architect Modeling, Git Hub, MS Azure Data Lake Storage, MS Azure DevOps Pipelines CI/CD, MS Azure Key Vault, MS Azure Synapse Serverless SQL Pools, MS Azure Synapse Notebooks, MS Azure Synapse Pipelines, C#, MS SQL Server, MS SQL Server T-SQL, MS SSIS, PySpark and Python.	
Company	Optimize IT SAS	October 2023 - February 2024
Project Role	IBM Cognos Consultant.	
Customer	Contaduría General de la Nación - https://www.contaduria.gov.co/ - standardize, centralize, and consolidate public accounting, prepare the balance sheet, and determine the accounting standards that should govern in Colombia.	
Project	Technical support service proposal for IBM Cognos.	

Key Business	Government, state, public sector.
Participation	<ul style="list-style-type: none"> - Creation and automation of backup tasks in IBM Cognos 10 Portal Administration. - Cache clearing for the service and historical data in IBM Cognos 10 Portal Administration. - Audit configuration and report diagnostics to enhance using IBM Cognos 10.
Team	1 IBM Cognos Consultant.
Databases	Informix.
Technologies	Informix and IBM Cognos 10.
Company	EPAM Systems Colombia SAS December 2022 - March 2023
Project Role	Senior Data Engineer.
Customer	Wiggle UK - https://guides.wiggle.co.uk/ - Wiggle is an online store in the United Kingdom that is dedicated to the sale of sports equipment. It is headquartered in Portsmouth, Great Britain, and operates in 80 territories, 10 languages, and 15 different currencies.
Project	Data engineer services to integrate business sources into Snowflake Data Cloud.
Key Business	Retail.
Participation	<ul style="list-style-type: none"> - Near real time integration of customers using Snowpipe and Azure Blob Storage. - Rest-API source integration into Snowflake of orders using Azure Blob Storage and Azure Data Factory. - Automatic output of marketing requirements from Snowflake to GCP using Azure Data Factory. - Automatic output to salesforce department from Snowflake to FTP using Azure Data Factory.
Team	1 Delivery Manager, 1 Architect Leader, 2 Senior Data Analyst, 1 QA and 1 Scrum Master.
Databases	Snowflake.
Technologies	Atlassian Confluence, Atlassian Jira, Git Hub, Google Cloud Storage, MS Azure, MS Azure Blob Storage, MS Azure Data Factory and Snowflake.
Company	EPAM Systems Colombia SAS June 2021 - November 2022
Project Role	Senior Data Analyst.
Customer	Liberty Mutual Investments (LMI) - https://www.libertymutualgroup.com/about-lm/corporate-information/our-business - Liberty Mutual Insurance Group's globally invested financial assets.
Project	Staffing of data/BI engineers to help customers to migrate their data to a new cloud data lake and close their BI scope.
Key Business	Investment.
Participation	<ul style="list-style-type: none"> - Analyzed, designed, and modeled the Trades model to LMI, defined the physical and logical model based on the reports to migrate and user stories carried out with the users and using Confluence to share designs. - Backfill historical data in Snowflake using snowsql from sharepoint repositories and S3 with Snowflake. - Running flyway database migrator to populate data and Active Batch to load automated daily basis process. - Building CI/CD process to Back End objects using Git Hub, Bamboo and flyway. - Building Dimensions and Fact tables from Trades models in Snowflake warehouse with Snaplogic pipeline. - Building Snowflake objects to Front End Power BI users such as Schemas, Tables and Views, granting access levels such in Snowflake Warehouses and Roles. - Building Front End Power BI Reports using Snowflake as a source. - Building CI/CD Process to Front End Power BI objects using Forge artifacts, Bamboo and Git Hub.
Team	1 Delivery Manager, 1 Architect Leader, 3 Senior Data Analyst, 4 Data Analyst and 1 Scrum Master.
Databases	Snowflake and MS SQL Server 2016.
Technologies	Atlassian Bamboo, Atlassian Confluence, Atlassian Forge, Atlassian Jira, flyway, Git Hub, MS Azure, MS Power Apps, MS Power BI, MS SharePoint, MS SQL Server T-SQL, MS SSAS Tabular, MS SSIS, Python, Snaplogic and Snowflake.

Company	Pronostica SAS	January 2021- May 2021
Project Role	Architect Business Analytics.	
Customer	Uniban - https://www.uniban.com/index.php/es/nosotros-2/quienes-somos - C.I. Unibán S.A. is the Colombian international marketer that develops high-value agriculture businesses, intensive in logistics.	
Project	Accounting Model.	
Key Business	Logistic, Retail.	
Participation	<ul style="list-style-type: none"> - I spearheaded the creation of functional requirements through detailed user stories for the Uniban accounting model. By coordinating comprehensive requirements walkthroughs, I ensured the user stories and process models precisely aligned with specific business needs. Additionally, I architected the accounting model for Uniban, establishing data standards and leveraging the Azure platform for seamless data integration, transformation (back end), and presentation (front-end). - My responsibilities included analyzing, designing, and modeling the accounting business processes, developing both the physical and logical models based on thorough interviews and meticulously crafted user stories. As an integral part of the development team, I assigned and managed tasks using Agile methodology, closely monitoring the development process to ensure alignment with project goals. - Furthermore, I conducted rigorous testing of both the back end and front-end using industry-standard tools, implementing best practices to optimize Uniban's accounting analytics models in production. 	
Team	1 Delivery Manager, 1 Architect, 1 Tech Lead, 2 Devs and 1 QA.	
Databases	MS Azure SQL Virtual Machines.	
Technologies	Atlassian Jira, MS Azure Blob Storage, MS Azure Data Factory, MS Azure DevOps Boards and Reports, MS Azure DevOps Pipelines CI/CD, MS Azure SQL Virtual Machines, MS Power BI On Cloud, MS SharePoint, MS SSAS Tabular and MS SSIS.	

Company	Pronostica SAS	October 2019 - December 2019
Project Role	Architect Business Analytics.	
Customer	Universidad del Rosario - https://www.urosario.edu.co/ - The Universidad del Rosario has high quality Institutional accreditation for 8 years, granted by the Ministry of National Education.	
Project	Indicators of the comprehensive information system (students, admissions, teachers, and drop-outs).	
Key Business	Education.	
Participation	<ul style="list-style-type: none"> - Developed functional requirements into user stories for the comprehensive information system's indicators. Coordinated requirement walk-throughs, ensuring accuracy with user representatives and stakeholders. - Architected the system's indicators, defining data standards and employing the on-premises MS SQL Server platform for data integration, back-end transformation, and front-end presentation with MS Power BI. - Analyzed, designed, and modeled indicators (students, admissions, teachers, and drop-outs), creating physical and logical models based on user interviews and stories. Assigned tasks to the development team using Agile methodology. - Supervised the development team, conducting pair testing for backend and frontend components with designated tools. - Continuously monitored system indicators, implementing best practices in production to ensure optimal performance and reliability. 	
Team	1 Architect, 1 Tech Lead, 2 Devs and 1 QA.	
Databases	MS SQL Server 2016.	
Technologies	Atlassian Jira, MS Power BI, MS SQL Server Architecture, MS SSAS Multidimensional, MS SharePoint, MS SSAS Tabular and MS SSIS.	

Company	Pronostica SAS	January 2018 - May 2021
Project Role	Architect Business Analytics.	
Customer	Servientrega - https://servientrega.us/nosotros/ - Serviantega International is a leading company in logistics and communication services with the aim of providing solutions in shipping and handling of documents.	
Project	Development and administration BI/BA models.	
Key Business	Logistic and Retail.	
Participation	<p>- Developed functional requirements in the form of user stories for Servientrega's business intelligence models. Coordinated requirement walk-throughs and verified with user representatives and stakeholders to ensure that user stories and process models accurately reflected specific business needs.</p> <p>- Architected Servientrega's business intelligence models, defining data standards and utilizing the Microsoft Platform for data integration, transformation, and presentation. Key models included:</p> <ul style="list-style-type: none"> • Logistics model for optimizing delivery times • 360-degree client view • Retail model for sales and shipping solutions • Customer service model • Operative claim cube • Shipments delivered model <p>- Conducted analysis, design, and modeling for Servientrega's business intelligence models. Defined physical and logical models based on interviews and user stories with end-users. Assigned tasks to the development team following Agile methodology.</p> <p>- Supervised the development team and conducted paired testing on the back-end and front-end developments using predefined tools.</p> <p>Monitored the implementation of Servientrega's business intelligence models and applied best practices to maintain production standards.</p>	
Team	1 Architect, 1 Tech Lead, 2 Devs and 1 QA.	
Databases	MS SQL Server 2016.	
Technologies	MS Power BI On Cloud / On Premise, MS Power Automate, MS SharePoint, MS SQL Server Architecture, MS SSAS Multidimensional, MS SSIS and MS Azure DevOps.	
Company	Pronostica SAS	October 2017 - December 2017
Project Role	Lead Tech Business Analytics.	
Customer	Bancoomeva - https://www.bancoomeva.com.co/ - Provide financial solutions that generate value, applying ethical and supportive principles, for people and companies.	
Project	Sales performance management models.	
Key Business	Banking.	
Participation	<p>- Developed comprehensive functional requirements for sales performance management models, facilitating detailed requirements walk-through sessions and verifying accuracy with user representatives and stakeholders to ensure alignment with specific business needs.</p> <p>- Architected innovative sales performance management models, establishing data standards and utilizing IBM ICM for backend transformation and frontend presentation.</p> <p>- Conducted thorough analysis, design, and modeling of sales performance management systems, creating both physical and logical models based on extensive interviews and user stories. Coordinated task assignments for the development team following Scrum methodology.</p> <p>- Oversaw the development team, performing rigorous testing on both backend and frontend components to ensure quality and adherence to defined tools and standards.</p>	
Team	1 Architect, 1 Tech Lead, 1 Devs and 1 QA.	
Databases	IBM ICM.	

Technologies	IBM ICM On Cloud.	
Company	Pronostica SAS	July 2017 - October 2017
Project Role	Lead Tech Business Analytics.	
Customer	Nissan Vardí - https://www.vardi.com.co/ - The Vardí Group is a world-class company, oriented towards mobility and productivity, diversified in the distribution and sale of vehicles	
Project	Migrated Cognos 10 and Cognos Analytics 11	
Key Business	Logistic and Retail	
Participation	<ul style="list-style-type: none"> - Architected the migration from Cognos 10 to Cognos Analytics 11, defining the architecture, data standards, and implementation of IBM Cognos Analytics for backend transformations and frontend presentations. - Conducted in-depth analysis and design for the migration process, assigning tasks to the development team based on Scrum methodology to ensure efficient project execution. - Supervised the development team, performing comprehensive testing on both backend and frontend components to guarantee adherence to defined tools and standards. - Migrated Cognos 10 and Cognos Analytics 11: <ul style="list-style-type: none"> • portal migration • Framework manager model migration • Transformer cube migration • Report studio report migration 	
Team	1 Architect, 1 Tech Lead, 1 Dev and 1 QA.	
Databases	IBM Informix.	
Technologies	IBM Cognos Analytics and IBM Cognos 10.	
Company	Pronostica SAS	July 2016 - June 2017
Project Role	Lead Tech Business Analytics.	
Customer	Coltefinanciera - https://www.coltefinanciera.com.co/ - Commercial Financing Company, with very clear objectives and values, which have persisted and have distinguished it throughout 40 years of successful.	
Project	Portfolio Model, Assurance Model, Withdraw Model and Payment Model.	
Key Business	Banking.	
Participation	<ul style="list-style-type: none"> - Developed functional requirements in user stories for Coltefinanciera's banking business intelligence models, coordinating requirements walk-through sessions and verifying accuracy with user representatives and stakeholders to ensure alignment with specific business needs. - Architected Coltefinanciera's banking business intelligence models, defining data standards and utilizing the Cognos BI/Oracle platform for data integration, backend transformation, and frontend presentation. Key models included: <ul style="list-style-type: none"> • Portfolio Model • Assurance Model • Withdraw Model • Payment Model - Conducted comprehensive analysis, design, and modeling for Coltefinanciera's banking business intelligence models, creating both physical and logical models based on detailed interviews and user stories. - Supervised the development team, conducting rigorous testing on backend and frontend components to ensure quality and adherence to defined tools and standards. - Monitored the implementation of Coltefinanciera's banking business intelligence models, applying best practices to ensure optimal performance in production environments. 	
Team	1 Architect, 1 Tech Lead, 5 Devs and 1 QA.	

Databases	Oracle 10.	
Technologies	IBM Cognos 10, Oracle 10 and Oracle Warehouse Builder.	
Company	Pronostica SAS	October 2015 - June 2016
Project Role	Lead Tech Business Analytics.	
Customer	Bancamía - https://www.bancamia.com.co/ - We are a bank with a social sense that seeks to support the productive development of entrepreneurs at the base of the economic pyramid.	
Project	Business Intelligence Core Banking Models.	
Key Business	Banking.	
Participation	<p>- Developed functional requirements for Bancamia's business intelligence models, coordinating requirements walk-through sessions and verifying accuracy with user representatives and stakeholders to ensure alignment with specific business needs.</p> <p>- Architected Bancamia's business intelligence models, defining data standards and leveraging the Cognos BI/Microsoft platform for data integration, backend transformation, and frontend presentation. Key models included:</p> <ul style="list-style-type: none">• Portfolio model• Profitability model• Models for size analysis• Defaulter model <p>Punishment portfolio and accounting budgets</p> <p>- Conducted comprehensive analysis, design, and modeling for Bancamia's business intelligence models, creating both physical and logical models based on detailed interviews and user stories. Managed task assignments for the development team following the SDLC methodology.</p>	
Team	1 Architect, 1 Tech Lead, 3 Devs and 1 QA.	
Databases	Microsoft SQL Server 2014.	
Technologies	IBM Cognos 10, MS SQL Server Architecture and MS SSIS.	