

Oscar Giovanni Bocanegra

SENIOR DATA ENGINEER | BIG
DATA & AI EXPERT

CONTACT

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Colombia

EDUCATION

2023 - 2025

Master's in Artificial Intelligence

UNIR – The Internet University
Artificial Intelligence

2019 - 2020

Executive Master BI & Big Data

European Institute of Postgraduate
Studies – IEP
Business Management Technology

2012 - 2018

Systems Engineering

San Martín University Foundation
Computer Engineering

2018

Engineering Degree

San Martín University Foundation
IT Project Management

1997 - 2000

Professional Technician

INSUTEC Higher Institute
Systems Engineering

KEY SKILLS

OSCAR GIOVANNI BOCANEGRA HURTADO

ES

Senior Data Engineer | Big Data & AI Expert | AWS | Software
Engineer | Tech Lead | Automation

PROFESSIONAL SUMMARY

I am a professional with over 5 years of experience leading strategic projects in **Big Data and Digital Transformation**. My focus is on designing, building, and implementing scalable data architectures that transform information into strategic decisions, optimizing processes and accelerating the transition to a Data Driven model.

I have demonstrated proven impact in my previous roles, leading projects that improved data handling efficiency by **30%** and reduced processing times by **40%**. I have implemented strategies that enabled organizations to adopt agile and DevOps practices for greater adaptability, and ensured the delivery of key projects aligned with strategic business objectives.

PROFESSIONAL EXPERIENCE

SMX SERVICES & CONSULTING, INC.

Senior Data Engineer

Jan 2024 - Present

United States - Remote • 1 year 8 months

- Lead the transformation and optimization of data infrastructure, with special emphasis on migrating on-premise projects to the cloud.
- Design, optimize and monitor ETL/ELT data pipelines in AWS-based architectures, ensuring reliable and efficient flows.
- Use orchestration tools like Apache Airflow to automate and manage scalable data workflows.
- Collaborate with the Cloud Architecture team in creating and maintaining data pipelines.

STRATIOBD

Big Data Engineer

Apr 2022 - Jan 2024

Colombia, Mexico, Ecuador - Remote • 1 year 10 months

- Data Engineer in the Big Data Analytics team for BanBajío (Mexico) and Banco Internacional (Ecuador) clients, optimizing processes and fostering collaboration between teams and stakeholders.
- 25% reduction** in delivery times through orchestration of use cases and POCs with process optimization.
- 40% automation** of manual tasks through intelligent data pipeline design.
- 30% improvement** in KPI accuracy by implementing AI models with CRISP-DM methodologies.

Engineering Data Management	70%
Data Infrastructure	60%
Software Design	80%
AWS	50%

⚙️ TECHNICAL SKILLS

Apache Spark	55%
Python & PySpark	60%
SQL & NoSQL	70%
Docker & Containers	60%
Apache Kafka	50%
Data Lakes & ETL	70%
Apache Airflow	45%
MongoDB & Oracle	60%

🌟 CERTIFICATIONS

Elastic Stack 7	100%
Stratio Generative AI	100%
Microsoft Azure	100%

🌐 LANGUAGES

ES Spanish	100%
us English	40%

CONSULTING ESOLUZION
Big Data Engineer

Jun 2021 - Apr 2022

📍 Spain - Remote • ⌚ 11 months

- Lead Big Data Engineer for BBVA client - Spain, focused on optimizing data lifecycle, incorporating Cloud and Legacy technologies.
- Led Data Driven transformation initiatives, optimizing data lifecycle with Cloud and Legacy technologies.
- Collaborated on Cloud and Legacy technology integration, ensuring smooth transition in Data Driven transformation.
- Key Technology Stack: HDFS, AVRO, PARQUET, PYSPARK, PYTHON SPARK, AWS and GCP.

SETI S.A.S
Data Technical Team Leader

Oct 2019 - May 2021

📍 Bogotá, Colombia • ⌚ 1 year 8 months

- **30% reduction** in operational costs leading the implementation of a Data Lake for ATH Colombia and improving data quality for strategic decision making.
- Data Lake design and development: Supported the planning and execution of Data Lake design, ensuring alignment with the financial entity's strategic objectives.
- Data source integration: Ensured quality and consistency of information by integrating internal and external data.
- Implementation of analytical solutions: Designed and led dashboards and predictive models to extract meaningful insights.
- Project and team management: Supervised and coordinated teams to ensure efficient project execution.
- Regulatory compliance: Ensured adherence to regulatory and normative requirements in the financial sector.

BBVA
Lead Software Development Engineer

Aug 2017 - Sep 2019

📍 Colombia • ⌚ 2 years 2 months

- Led the implementation of the **Document Management** project at BBVA Colombia, using technologies like MongoDB and Docker, achieving digital transformation aligned with strategic objectives.
- Implemented robust and scalable solutions using tools like MongoDB, Ansible, Docker and Nuxeo.
- Managed and implemented agile, traditional and DevOps methodologies to optimize the development lifecycle.
- Coordinated multidisciplinary teams, ensuring alignment with strategic business objectives.
- Contributed to BBVA Colombia's digital transformation process, ensuring the project was aligned with strategic initiatives.

HONORS



BBVA Open Talent
Evaluator
2018

DOWNLOAD CV

BBVA

Principal Software Development Engineer

Aug 2014 - Aug 2017

 Bogotá, Colombia •  3 years 1 month

- **20% improvement** in operational efficiency by developing and optimizing technological solutions using modern tools like Docker and MongoDB.
- Worked with full stack: HTML, CSS, JavaScript, Java, LotusScript, Oracle, MySQL, SQL Server, MongoDB, Docker and Ansible.
- Implemented agile and traditional methodologies according to the specific needs of each project.
- Coordinated with multidisciplinary teams to ensure efficient execution.
- Implemented quality assurance practices to deliver high-performance software.
- Used tools like Docker and Ansible to optimize continuous deployment.

GLOKAL CONSULTING

IT Software Developer

Apr 2013 - Aug 2014

 Bogotá, Colombia •  1 year 5 months

- Responsible for analysis, design and software development to meet user needs.
- Led maintenance, adaptation, stabilization and improvements of existing applications.
- Performed detailed requirements analysis to design effective solutions.
- Worked closely with users to align projects with expectations.
- Used both frontend and backend technologies for efficient solutions.

ANTSS LTDA

IT Software Developer

Apr 2012 - Dec 2012

 Bogotá, Colombia •  9 months

Project with Tunja energy company (EBSA). Analysis, design and development with UML and RUP methodologies. Stack: Java, CSS, ZK, Oracle.