Cesar Diaz
Expert PhD in Computer Science, Head of AI/ML, Head of Data Science

SUMMARY

With a Ph.D. in Computer Science and a comprehensive background in Electrical and Electronics Engineering, this candidate has over two decades of adeptness in AI, cloud computing, and big data analytics. The engineer is skilled in strategic project management, with a strong focus on the application of machine learning pipelines and cloud infrastructure development. Technical proficiencies include expertise in NLP, data analysis, IoT, and using advanced cloud platforms like AWS, Google Cloud, and Microsoft Azure. The candidate's teaching experience and substantial contributions to industry publications underscore a balanced blend of practical and theoretical knowledge. The engineer's prior roles demonstrate significant leadership in shaping AI strategies and guiding data-driven innovations.

TECHNICAL SKILLS

Main Technical Skills	Project Management, Data Analysis, AWS, Cloud computing platforms, AI
Programming Languages	Python, VBA
AI & Machine Learning	AI
.NET Platform	VBA
Data Analysis and Visualization Technologies	Data Analysis, Data Mining, Data Scraping
Databases & Management Systems / ORM	Data Warehousing, HDFS, NoSQL, relational databases, Snowflake, SQL
Cloud Platforms, Services & Computing	AWS, Cloud computing platforms
Platforms	ERP, IOT
Message/Queue/Task Brokers	Kafka
Virtualization, Containers and Orchestration	Kubernetes
Project Management & Administration	Project Management
Soft Skills	Research Skills

WORK EXPERIENCE

Head of AI/ML, Enhancing eSports Players Performance with AI

Duration: January 2024 - Present
Summary: At OMASHU, led the AI/ML charge by leveraging Big Data to enhance the performance and well-being of eSports players.
Responsibilities: Designing and executing Machine Learning pipelines, building the AI infrastructure, leading the data science team.
Technologies: AI, Machine Learning, Big Data

Lead Data Science/AI Instructor, Instructing Kafka and Snowflake Courses

Duration: May 2024 - Present
Summary: Lead instructor of Kafka and Snowflake courses.
Responsibilities: Design, implementation, and execution of courses.
Technologies: Kafka, Snowflake

Lead Data Science/AI Instructor, Instructor of Data Mining and AI Courses

Duration: March 2024 - January 2025
Summary: Lead instructor specializing in Data Mining courses which included several modules.
Responsibilities: Design, implementation, and execution of Data mining courses.
Technologies: NLP, RS, SQL, Data warehouse, NoSQL, ML, DM

Head of Data Science & AI, AI Initiatives and Marvutcare Project

Duration: May 2023 - November 2023
Summary: Oversaw all AI initiatives for Marvut Technologies, particularly the Marvutcare project.
Responsibilities: Led the development and implementation of the GranIA product, partnered on data management and analytics projects.
Technologies: AI, Machine Learning

Data Analytics and AI Team Lead, Data Management Consultant

Duration: April 2023 - July 2023
Summary: Data Management consulting for USAID in analytics for the governmental sector.
Responsibilities: Lead software development and data analytics solutions for auditing public contracts.
Technologies: Data Analytics

Docente Ocasional, Teaching Analog Electronics Laboratory

Duration: January 2023 - July 2023
Summary: Taught analog electronics laboratory for electrical and electronic engineering students.
Responsibilities: Instruction and teaching in analog electronics.
Technologies: Analog Electronics

Data Analytics and AI Team Lead, Data Applications on the Azure Platform

Duration: January 2022 - December 2022
Summary: Directed major AI and data analytics projects, including Distributed Systems and Smart Systems.

Responsibilities: Data-driven tests, courses and research projects leadership.
Technologies: Azure, Big Data, AI

Scientific Collaborator, Master's Projects Supervision in Visual Analytics and Big Data

Duration: September 2016 - April 2022
Summary: Direction of final master's projects in Visual Analytics and Big Data Master Program.
Responsibilities: Supervised and advised final projects for masters students.
Technologies: Visual Analytics, Big Data

Big Data Architect, Big Data Architect Role

Duration: August 2021 - January 2022
Summary: Developed and designed Big Data architectures along with creating career paths for Data Analytics professionals.
Responsibilities: Developing IoT Event Hub solution, Data Analytics project support, creation and evaluation of Big Data solutions.
Technologies: IoT, Kafka, Airflow, GCP, Big Data

EDUCATION

- **Universitat de Barcelona**
  Doctor equivalency, Matemáticas e informática
  January 2023 - June 2023
- **University of Luxembourg**
  Doctor of Philosophy (PhD), Computer Science
  2010 - 2014
- **Universidad de Los Andes**
  Posdoctorado, Cloud Computing
  2014 - 2016
- **Pontificia Universidad Javeriana**
  Master's degree, Electrical, Electronics and Communications Engineering
  2006 - 2009
- **Universidad de Los Andes**
  Bachelor of Engineering (B.Eng.), Electrical and Electronics Engineering
  1994 - 2000

CERTIFICATION

- **Google Cloud Fundamentals: Core Infrastructure**
- **AWS Lambda Foundations**
- **Architecting with Google Kubernetes Engine: Foundations**
- **BUILD 2023 LLM Bootcamp Badge**
- **Catala presencial Basic 2**