

Hiring software engineer as easy as calling a taxi.

# Cesar Diaz

## 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.

### SKILLS

<b>Main Technical Skills</b>	Project Management, Data Analysis, GCE
<b>Programming Languages</b>	Python, VBA
<b>.NET Platform</b>	VBA
<b>Data Analysis and Visualization Technologies</b>	Data Analysis, Data Mining, Data Scraping
<b>Databases &amp; Management Systems / ORM</b>	Data Warehousing, HDFS, NoSQL, relational databases, Snowflake, SQL
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure, GCP
<b>Azure Cloud Services</b>	Azure
<b>Google Cloud Platform</b>	GCE
<b>Virtualization, Containers and Orchestration</b>	GCE
<b>Message/Queue/Task Brokers</b>	Kafka

<b>Deployment, CI/CD &amp; Administration</b>	Kubernetes
<b>Project Management &amp; Administration</b>	Project Management
<b>Soft Skills</b>	Research Skills
<b>Other Technical Skills</b>	ERP, IOT

## 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**

