

Andrés Fernando Barón Sandoval

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Professional Profile

Software Engineer dedicated to improving skills through hands-on learning and development work. I am fluent in a wide array of programming languages used to develop large software projects. Well-organized and collaborative player with strong communication and analytical abilities. I have proficient knowledge in computational tools such as R and Python applied to machine learning and deep learning computational models focused on business analysis. Complementary studies in English and German.

STUDIES

2022 <i>Bogotá - Colombia</i>	Master's degree in Software engineering. Universidad de los Andes
2021 <i>Buenos Aires -Arg</i>	Java Coding Bootcamp Digital House Coding School
2021 <i>Bogotá - Colombia</i>	MasterTrack Principles of Automated and Agile Software Engineering. Universidad de los Andes
2020 <i>Bogotá - Colombia</i>	Diploma in Big Data and Business Analytics Universidad de la Sabana
2020 <i>Bogotá - Colombia</i>	Mechanical Engineer Universidad de los Andes
2015 <i>Bournemouth - UK</i>	Administration and entrepreneurship in business Beet Language School of Bournemouth
2013 <i>Bogotá - Colombia</i>	High School Diploma Liceo Cervantes el Retiro
Languages:	Spanish: Native English: Advanced (C1) German: Intermediate (B1)

WORK EXPERIENCE

Apr.2021 – Current. 2022 <i>Bogotá, Colombia</i>	MercadoLibre Backend Software Analyst <ul style="list-style-type: none">• Unification of machine learning models with software architectures to serve the trained models on the e-commerce platform, using REST services.• Development of the Experimental Viewer in the machine learning division, this project visualizes AI experiments within the marketplace. Constructed with React JS and Flask.• Implementation of APIs to decouple existing architectures and facilitate the scaling of the recommendation service with the marketplace.
Nov.2020 – March. 2021 <i>Bogotá, Colombia</i>	Serlefin BPO & O Software Engineer <ul style="list-style-type: none">• Developed PCC (Petitions, complaints, and claims) mailing platform which resulted in an efficient and secure application for the customer. The application was developed with Java, Bootstrap and Angular 11.• Designed the frontend and backend of the Enterprise Resource Planning, one of the most ambitious projects of Serlefin BPO&O, whose main objective is to unify all the systems and management of the company in a single portal. The project was developed using Vue js and C#.

Apr.2020 – March. 2021

Bogotá, Colombia

Serlefin BPO & O

Innovation Engineer

- Construction of robots powered by artificial intelligence in order to improve the contactability of the company's call center.
- Automation of financial portals using Javascript, C# and Tampermonkey, to improve the experience of customers when making financial inquiries.
- Development of APIs for data acquisition requested by human resources and telecommunications divisions. The projects were carried out with MVC architecture pattern and Entity Framework.

COURSES, SEMINARS AND CERTIFICATIONS

- AWS Cloud Practitioner Certification
Amazon
- Structuring Machine Learning Projects
Deep Learning.AI
- Improving Deep Neuronal Networks: Hyperparameter tuning, Regularization and Optimization.
Deep Learning.AI
- Google Cloud Platform Big data and Machine Learning fundamentals
Google
- Google Cloud Platform Fundamentals: Core Infrastructure
Google
- Architecting with Google Kubernetes Engine
Google
- Professional Certificate Automation with Python
Google
- Scrum Foundations Professional Certificate (SFPC)
Certiprof
- Python Data Structures
University of Michigan – Michigan, United States

PUBLICATIONS

20 Nov 2020
Bogotá, Colombia

Webscraping to El Tiempo newspaper using Python

Medium

Descriptive project of webscraping as a tool for unstructured data acquisition.

14 Jul 2020
Bogotá, Colombia

Artificial intelligence among us.

El Espectador

Publication in the newspaper El Espectador, about the contribution of artificial intelligence in our society.

15 Jun 2020
Bogotá, Colombia

The importance of data and privacy.

El Espectador

Publication in the newspaper El Espectador about the importance and value of data in the digital age.

ACKNOWLEDGMENTS AND AWARDS

November 2020
Bogotá, Colombia

First place at coding competition (IEEE 2021-2)

Institute of Electrical and Electronics Engineers / Universidad Central

December 2013
Bogotá, Colombia

Best student graduated

Liceo de Cervantes El Retiro