

Andrés Barón

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EDUCATION

UNIVERSIDAD DE LOS ANDES

MS.c in Software Engineering
Jun 2023 | Bogotá, CO

UNIVERSIDAD DE LOS ANDES

Diploma in Principles of Agile and Automated Software Engineering
Jun 2021 | Bogotá, CO

DIGITAL HOUSE CODING SCHOOL

Java Coding Bootcamp
Apr 2021 | Buenos Aires, AR

UNIVERSIDAD DE LA SABANA

Diploma in Big data and Business analytics
Nov 2020 | Bogotá, CO

UNIVERSIDAD DE LOS ANDES

BS in Mechanical Engineering
Oct 2020 | Bogotá, CO

BEET LANGUAGE SCHOOL

Immersion program in entrepreneurship and business
Dec 2015 | Bournemouth, UK

LICEO CERVANTES EL RETIRO

Grad. Nov 2013 | Bogotá, CO

SKILLS

TECHNICAL SKILLS

Proficient with:

- **Languages:** Golang, C++, Java, JavaScript (including ES6+), HTML5, CSS3, SQL, C#, Python, RStudio, Visual Basic, Matlab, OCaml.
- **Frameworks:** React js, Angular, Vue js, Bootstrap, Flask, Springboot, Django.
- **Technologies:** JQuery, Git (Git-Flow)/GitHub, AJAX, Nginx, Apache, WordPress, ElasticSearch.

SOFT SKILLS

Outstanding at:

- Creativity and innovation.
- Excellent personal relationships and teamwork.
- Complementary studies in English and German.

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
- **Architecting with Google Kubernetes Engine**
Google
- **Google Cloud Platform Fundamentals: Core Infrastructure**
Google
- **Google Cloud Platform Big data and Machine Learning fundamentals**
Google
- **Scrum Foundations Professional Certificate (SFPC)**
Certiproof
- **Python Data Structures**
University of Michigan

EXPERIENCE

RAPPI, Senior Software Engineer

May 2022-Current

- Development of a microservice whose main objective is to offer a connection tool with elasticsearch to be able to carry out inventory tasks, creation and management of products within the app with scope in 9 countries.
- Improvement in response times and latency in the main application in charge of product management, using concurrency and scaling patterns.

MERCADOLIBRE, Backend Software Analyst

Apr 2021-May-2022

- 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 department, 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 in the mobile/web app.
- Creation of infrastructure to have a new endpoint in filtering API for products, this was developed in Golang and included the creation of caches, queues, consumers and analysis of productive metrics.

SERLEFIN BPO & O, Software Engineer II

Nov 2020-March-2021

- 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 financial systems of the company in a single portal. The project was developed using Vue JS and C#.

SERLEFIN BPO & O, Software Engineer I

Apr 2020 -Nov 2020

- Construction of robots powered by artificial intelligence 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.

PUBLICATIONS

- **Design patterns in microservices**
Medium
Academic article explaining scaling and resilience techniques in microservices, exposing good practices and strategies used in the industry.
- **Artificial intelligence Among us**
El Espectador
Article published in the newspaper El Espectador, about the importance of artificial intelligence in our society and how it is affecting it in a positive way.
- **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.
- **Webscrapping the newspaper "El Tiempo" using Python**
Medium
Descriptive project of the use of webscrapping as a tool for the acquisition of unstructured data

AWARDS

2021	1st Place	Coding competition (IEEE 2021-2) Universidad Central
2013	2nd Place	Augustinian schools programming tournament
2013	1st Place	Best student graduated