# 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
Sep 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:
- Languagues: Golang, C++, Java, JavaScript (including ES6+), HTML5, CSS3, SQL, C#, Python, RStudio, Visual Basic, Mathlab, 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 Infraestructure**
  *Google*
- **Google Cloud Plataform 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
Nov 2020-March-2021
- Construction of robots powered by artificial intelligence to limprove 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

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