

Federico Ponte

Senior Software Engineer

San Francisco, CA

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Senior Software Engineer at Airbnb since 2017, working on data platforms, quality systems and LLM-powered product features. MS in Software Engineering from Carnegie Mellon.

EXPERIENCE

Senior Software Engineer · Jan 2017 – Present **Airbnb**

San Francisco, CA

Quality and Merchandising

- Enhancing listing and experience highlights: adding and updating highlights with LLMs, simplifying the overall architecture, and enabling platformization of the infrastructure.
- Launched Pay Zero Upfront merchandising on the search and listing details pages; led the backend integration.
- Caught relisted listings that had been removed for not meeting Airbnb quality standards (8%+ of removed listings were being republished) by adding new rules to the Trust system and updating user content.

Listing Intelligence and Ops Tooling

- Planned, scoped and implemented the Universal Tagging System, a platform processing labels generated by operations: 200+ Labelbox projects and ~12.5 million labels.
- Designed and built the first version of the host quality score pipeline, a lambda architecture on Spark and Flink processing years of reviews and support tickets for every Airbnb listing.

Verified

- Proposed, within the Technical Design Group, a lambda architecture to compute the verified state of every Airbnb listing with reliable, low-latency reads and near-real-time updates.
- Built a data processing pipeline checking 26 criteria for every listing on Airbnb.

Yoga Teacher · CorePower Yoga

Jan 2023 – Present

Mission Bay, San Francisco, CA

- Teaching CorePower Yoga 2 (C2) classes at the Mission Bay studio since January 2023.
- Lead a Vinyasa-style C2 flow built around balances, inversions and presence, with an intense pace that trains both the mind and the body.

Software Engineer Intern · Riverbed

Jun 2016 – Aug 2016

Sunnyvale, CA

- Built an application integrating multiple Microsoft APIs using Django and other Python libraries.

Software Engineer ·

May 2012 – Dec 2015

MahiSoft

Caracas, Venezuela

Software development solutions provider with customers in the US and Latin America

- Improved ad selection for Mercado Libre, one of the largest Latin American sites, using machine learning algorithms with Elasticsearch.
- SiteScout (self-serve ad platform): added video advertising support to the public API.
- SiteScout: built a high-performance server handling thousands of requests per second with low latency, calling third-party providers (Proximic, Peer39).
- SiteScout: designed and implemented a central authentication system across their tools.
- Built real estate and auction websites with .NET and jQuery.

EDUCATION

200-Hour Yoga Teacher Training

Sep 2022 – Dec 2022

CorePower Yoga

MS in Software Engineering

Aug 2015 – Dec 2016

Carnegie Mellon University

Mountain View, CA · GPA 3.82

Computer Engineering

Oct 2006 – Nov 2011

Universidad Simón Bolívar

Caracas, Venezuela · GPA 3.94 / 5.00

Thesis: *Numerical data clustering using population and collective intelligence algorithms*

SKILLS

Languages

Java

Kotlin

Python

Scala

Ruby

C#

SQL

Bash

Frameworks & Data

Spark

Flink

Hive

Airflow

Django

Dropwizard

Ruby on Rails

Play

ASP.NET

PostgreSQL

MySQL

Elasticsearch

Spoken Languages

English (fluent)

Spanish (native)