Nicolás Bonader

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EXPERIENCE

Data Engineer
Jan. 2022 – Aug. 2023

HUMAN
HQ. in NYC - Remote

- As part of the Data Platform team, I assisted the Data Science team in their daily needs.
- Created and maintained ETLs for the internal detection of bots in block-lists and allow-lists (safe bots).
- Refactored internal orchestration app cutting storage costs in Snowflake.
- Participated in the transition of a plain-text Kafka cluster to the use of TLS in inter and intra-broker traffic.
- Technologies used: Airflow, Snowflake, Python, Java, SpEL, AWS

Data Engineer and Technical Lead
Oct 2019 – Dec 2021

Teracode
HQ. in Boston - Remote

- Worked and led a team of three data engineers for BOSE helping them build a new data-governance system and migrating existing ETLs.
- Participated in pitch of potential clients offering data compliance solutions (ex. GDPR implementation).
- Conducted technical interviews for new data engineer candidates.
- Technologies used: Airflow, Spark, AWS, SAP, Databricks, Snowflake

Data Engineer
Jan 2019 – Oct 2019

Jampp
Córdoba, Argentina

- Was part of the Data infrastructure team assisting data scientists in their data needs.
- Helped with maintainance of a managed EMR cluster.
- Improved speed of internal app to reduce bidding response time (Demand Side Platform in Real-Time Bidding).
- Created and maintained ETLs in Airflow.
- Technologies used: Airflow, Hive, Presto, Spark, Hadoop, AWS

Backend Software Engineer
Jan 2018 – Jan 2019

McAfee
Córdoba, Argentina

- Developed fullstack features (Backend in Scala (Akka), Frontend in Angular.js) for the McAfee Investigator project.

- Wrote integration tests in Behave (Python).
- Wrote database migrations to apply changes in a production MySQL DB.
- Technologies used: Scala, Akka, Kafka, Neo4j, MySQL, Docker

Frontend Software Engineer
Jul 2017 – Jan 2018

McAfee
Córdoba, Argentina

- Developed Frontend features (Angular.js and Redux) for the McAfee Investigator project.
- Wrote integration tests in Behave (Python).
- Technologies used: AngularJS, Redux, Saga, Selenium, Behave

Fullstack Developer
Feb 2016 – Jul 2017

CVAmedios
Córdoba, Argentina

- Designed and developed a Twitter scrapper with a dashboard, using PHP, MySQL, jQuery and Highcharts.
- Designed and developed a web scrapper app with a dashboard and email alerts, using Node.js, Python, and MySQL.
- Created several scripts for internal use. For example, a webapp that showed several TV channels in real-time to help internal auditing.
- Led a team of three programmers.
- Technologies used: AngularJS, Node.js, MySQL, MongoDB, PHP

Teacher Assistant
Jul 2015 – Nov 2015

FaMAF - Universidad Nacional de Córdoba
Córdoba, Argentina

- I was an assistant part of the Algorithms & Data Structures I course
- Assisted students with practical exercises in Haskell and C

EDUCATION

Universidad Nacional de Córdoba   Córdoba, Argentina
Analista en Ciencias de la Computación (BSc degree in Computer Science) - GPA 8.056 / 10   *2013 – 2018*

PROJECTS

Hospedate | *Go, Next.JS, React, Tailwind, PostgreSQL, Docker, DigitalOcean*   Aug. 2023 – Present
- Designed the architecture of the app.
- Built a Frontend in Next.js
- Built first version of Backend in Scala, then re-wrote it in Go.
- Created docker images and deployment scripts to a droplet in Digital Ocean.
- I'm leading a team of two devs in present development.
- I talk to potential customers and collect feedback.

TECHNICAL SKILLS

Confidence in: Python, Javascript (Node.js, React), SQL (PostgreSQL, MySQL), Go, Java, Scala, Unix
Tools: Docker, shell, AWS (EC2, S3, EMR, RDS, Lambda, Kinesis), Airflow, Databricks, Snowflake, Prometheus, Grafana, Datadog, Git
Other tools: pandas, Flask, JUnit

COURSES AND OTHER ACTIVITIES

Practical Deep Learning for Coders   Nov. 2023
by Jeremy Howard   *course.fast.ai*

Big Data Analysis with Scala and Spark   Nov. 2018
by EPFL   *Coursera*

Cyber Security Principles in Corporate Environments   Nov. 2016
Intel   *Cordoba, Argentina*

Machine learning: Today's Methods   Feb. 2016
Universidad Nacional de Rio Cuarto   *Cordoba, Argentina*

Fundamentals of Languages for Quantum Programming   Feb. 2015
Universidad Nacional de Rio Cuarto   *Cordoba, Argentina*

Description Logic Reasoning   Feb. 2015
Universidad Nacional de Rio Cuarto   *Cordoba, Argentina*

SERVICE AND OTHER ACTIVITIES

Volunteer in the Faculty of Psychology   2017
Universidad Nacional de Córdoba   *Córdoba, Argentina*
- Research Group KuskaRuway for the project Psychology and Behavioral Economics Contribution to Public Policies to Reduce Poverty and Inequality, with software PsychoPy

Volunteer in the workshop of FaMAF courses "Jornada Puertas Abiertas"   2015
Universidad Nacional de Córdoba   *Córdoba, Argentina*
Volunteer in workshop of university courses "La UNC Te Espera" for FaMAF   2014
Universidad Nacional de Córdoba   *Córdoba, Argentina*