

Jose Maria Zambrana Arze

Senior Big Data Engineer / Full-stack developer

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Summary

More than 10 years working in developing web applications, data-driven products and building scalable analytics platforms.

Qualifications

- Full-Stack Engineering.
- Big Data Engineering.
- Software engineering.
- Scalable architecture

Skills

- Python (Main) Experience: R, Java, Ruby, PHP
- Django (Main), Flask
- HP Vertica, Snowflake, PostgreSQL, MySQL
- Apache Kafka, Airflow.
- Pandas, Numpy, Dask, Spark, HDFS
- Plotly, d3, matplotlib
- Data Wrangling, Data Mining, Data Warehouse, Data Lakes, Data Pipelines and ETL development.
- Amazon Web Services
- Docker, Git, Jira, Conda, VirtualEnv

Experience

Full-stack/BigData Engineer Consultant at CLEAR (remote) May 2019 - Dec 2020

Responsible for:

- Architect data platform, web services and scalable infrastructure.
- Design and develop RESTful API services.
- Design and implement data models, data pipelines and ETLs.

Senior Big Data Engineer at Hometap Equity Partners (remote) January 2018 – May 2019

- Responsible for implementation and deployment of data warehouse.

- Developed and implemented data pipelines to extract, process and load 2400+ M entries.
- Developed and implemented the data infrastructure with Snowflake, Apache Spark, Apache kafka, Apache Airflow and Jenkins.
- Developed scalable and sustainable data processing solutions.
- Responsible for developing data pipelines and ETLs

Big Data Engineer at Pixability (remote) November 2015 – December 2017

- Developed and implemented the data warehouse
- Developed and implemented data science tools
- Developed and implemented the infrastructure to extract transform and load data from different sources: facebook api, instagram api, external databases, external crm (salesforce)

Platform Engineer at DataKin (remote) January 2014 – July 2015

- Developed a data science platform to help teams collaboratively manage the analytics lifecycle
- Designed and developed the infrastructure to source and storage data from different formats and database engines: Data files (CSV, XLS, etc.), PostgreSQL, MySQL, Vertica, others
- Developed the infrastructure, the software and the integration to clean data
- Developed the infrastructure and the software to create statistical models to prove and disprove hypothesis

Platform / Software Engineer at TheQ Camera (remote) February 2013 – November 2013

- Developed the back\end platform necessary to store and manipulate large volumes of photos uploaded by connected cameras
- Designed and developed the infrastructure to store large volumes of private photos using Amazon S3 and Cloudfront
- Developed the SaaS platform to access and edit photos
- Developed the RESTful API to communicate with mobile apps
- Social Media Integrations: Facebook, Twitter, Flickr, Google+
- Created and evolved the data model

Full Stack Developer at ww.webando.me (remote) March 2012 – January 2013

- Application to share images
- Designed and developed the infrastructure to serve the platform
- Integrated social media feeds through API: Facebook and Twitter
- Development of the platform, backend and frontend

FullStack Developer at www.cloudcity.es (remote) March 2011 – October 2011

- A geo-located Q&A site with a large volume of entries
- Designed and developed of the infrastructure to serve the webapp.
- Created data model
- Implemented machine learning algorithms to tag and categorize questions

Education

- Diploma in entrepreneurship in developing economies Postgrado FCE, Universidad Mayor de San Simón 2017
- Diploma in digital marketing, Universidad Privada Boliviana 2016
- Masters in Business Administration, FCE – Universidad Mayor de San Simón Cochabamba – Bolivia, 2014-2015.
- Systems Engineering, FCyT – Universidad Mayor de San Simón Cochabamba – Bolivia, 2002-2007