

Jairo Alonso Vásquez Moreno

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LANGUAGES *Spanish:* Native.
English: Full professional proficiency.
Portuguese: Professional working proficiency.

TOPICS OF INTEREST High Scalability, Web Development, Information Security, Programming Languages, TDD, Continuous Delivery, Databases.

EXPERIENCE

Atlas Health, San Francisco, USA (Remote from Colombia)

Principal Software Engineer **2022 - Present**

- Re-architected the system components to allow rapid growth
- Automated the release process to allow flexible updates in different components while avoiding disruptions
- Lead a Penetration testing using an outsourcing company

Engineering Manager **2021 - 2022**

- Increased the engineering team size
- Improved the standards for quality assurance
- Implemented SCRUM for the development process

Senior Software Engineer **2020 - 2021**

- Developed a REST API using Python and MySQL
- Lead the re-design of the Typescript/React SPA
- Improved the existing ETL to reduce issues
- Implemented a robust CI/CD solution

Technologies: Docker, Python, MySQL, Elasticsearch, Typescript, React, Airflow.

Backstage, New York City, USA (Remote from Colombia)

Senior Frontend Developer **2019 - 2020**

Backstage.com is platform for actors and performers.

- Added automation tools for managing the local database
- Fixed important bugs affecting the React application

Technologies: Django, React, Redux, Bootstrap.

Rubrik, Palo Alto, USA (Remote from Colombia)

Senior Frontend Developer **2019**

Rubrik is a cloud data management company that handle instant recoveries, hands-free management and automated workflows.

- Implemented different React components needed in the main application
- Fixed HTML/CSS bugs affecting the responsiveness of the UI
- Migrated older JS components to Typescript

Technologies: Typescript, React, CRA, Redux, GraphQL.

Kizoto, Medellín, Colombia

Senior Frontend Developer

2018 - 2019

Kizoto is an app for managing VIP trips.

- Admin tool implementation using Next.js
- Database modeling for i18n services.
- Python API for i18n services.

Technologies: Python, Flask, PostgreSQL, React, Next.js, Google Cloud.

Asimetrix, Medellín, Colombia

Full Stack Developer

2017 - 2019

Asimetrix is a data company making farms intelligent.

- Frontend using React.
- All services authenticated using auth0.
- Flask API using MongoDB.
- Services deployed on AWS and Heroku.

Technologies: Python, Flask, Django, MongoDB, React, AWS, Heroku, Auth0.

NodeHost, Philadelphia, USA (remote from Colombia)

Senior Python Developer

2018 (4 months)

NodeHost is an automated service for masternode hosting.

- API services.
- Database modeling.
- Services deploying.

Technologies: Python, Flask, Django, PostgreSQL, jQuery, Heroku.

Qbrio, Chicago, USA (remote from Colombia)

Lead Backend Developer

2017 - 2018

Qbrio is an AI that help artists to create music.

- Database design.
- Architecture from scratch to support different types of loads.
- API to serve AI model.

Technologies: Python, Flask, PostgreSQL, Google App Engine, Tensorflow.

Apps4gaps, Berlin, Germany (remote from Colombia)

Lead Backend Developer

2017 (10 months)

Apps4Gaps is a company created around Open Data competitions. Additionally, they launched an app named **Wandr-App**. The first version of the app was designed for letting users find social gathering places (like bars) using real time reviews. The project I'm involved is for writing the second version which is more aimed to retail places.

- Re-think data model (database entities re-design).
- New API for all services needed by the new iOS app.

Technologies: Python, Flask, Heroku, PostgreSQL.

AdMass Inc, Austin, Texas (remote from Colombia)

Lead Backend Developer

2016 - 2017

AdMass Inc aims to connect Brands and Advocates in a better way. The project consisted on creating two apps: one for advocates (mostly for content management) and another one for brands trying to find those advocates.

- Logical and Physical data models design.
- API services for both applications.
- Data Pipeline for constantly processing data from social networks.

Technologies: Python, Flask, Django, Celery, RabbitMQ, Redis, Heroku, PostgreSQL.

RealMassive, Austin, Texas (remote from Brazil)

Lead Backend Developer

2014 - 2016

- High available architecture development and design.
- Backend API design and implementation to support web and mobile clients.
- Continuous deployment config and operation (GitHub + CircleCI).
- Scrum-like life-cycle implementation. (Jira + GitHub)
- Single page app with angular.js

Technologies: Python, Flask, PostgreSQL, Google App Engine.

ScoreMat, São Paulo, Brasil

CTO and Co-Founder

2012 - 2014

- Web Development using python with Google App Engine, jinja2 and webapp2.
- Automated testing.
- API developed using Google Endpoints to handle the further work with iOS and Android applications. Currently used from Javasacript.

Paymentez, São Paulo, Brasil

Lead Developer

2010 - 2014

Lead the development of the web platform and transactions engine from scratch for processing micro-payments of virtual goods. Currently it is integrated with major payment methods (online, offline and mobile) in Brazil, Mexico, Colombia, Chile, Argentina and Venezuela.

Technologies: Python, Django, MySQL, AWS, Google App Engine.

Mentez SAS, São Paulo, Brasil

Web Developer

2009 - 2010

- Developed several web applications on Orkut and Facebook.
- Developed (Paymentez), a micro payments platform for virtual goods in Orkut, Facebook and Websites. Technologies include Google App Engine, Ruby on Rails and Amazon Web Services.

Fluidsignal Group, Medellín, Colombia

Projects Engineer

2007 - 2009

- Web development using Django Python Web framework.
- Process Compliance: ISO 2007, ISO 2000, CMMI.
- Deployment of IT services for different clients using GNU/Debian and Xen.
- Security Outsourcing for Bancolombia.

EAFIT University, Medellín, Colombia

Software Engineering Lab

2006 - 2007

- MMEDUSA - Framework Specification for Aspect Oriented Programming (AOP).
- ARCA - Development of CASE tool with emphasis on formalism and reuse (using Java Desktop).

SKILLS

Programming Languages: Python, Typescript, Golang.

Web Development: Emacs, Git, Django, Flask, REST, MySQL, PostgreSQL, MongoDB, Scrum.

DevOps: Amazon Web Services, Google Cloud Platform, Terraform, Helm, Docker, CI/CD.

EDUCATION

EAFIT University, Medellín, Colombia

B. Sc. Computer Science

2004 - 2009

Research Groups

- .NET Cell
- ACM Programming Group
- Natural Language Processing for Information Retrieval

REFERENCES

Jason Vertrees

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