

Profile

Systems Engineer with strong skills in development, operations and lifecycle management.

Working since 2013 as a polyglot full-stack developer, follower of good principles like SOLID, DRY and TDD in my code and who has introduced DevOps techniques such as continuous deployment in different projects.

Equally effective in a team environment or as a lone specialist.

Technical Skills

Programming: Python, Javascript, Go, Bash, HTML/CSS, Flask, SQLAlchemy, Django, VueJS, React, Celery, PyTest, Jest

Infrastructure: Linux (debian-based), PostgreSQL, NGINX, Redis, RabbitMQ

Operations/Management: Git, Docker (docker-compose), GitLab-CI, Ansible, Click

Employment History

Senior Development Consultant *Freelance, Bogotá, Colombia 07/20-Present*

Full-stack engineering consulting for multiple clients, creating new functionalities for different products, several different administration and deployment tasks, architecture and design advice and code quality improvement.

- Development of new features and bug fixing in the back-end, primarily Python, of both REST based API services and full applications including templating systems with frameworks like Django and Flask.
- Development of new features and bug fixing in the front-end, primarily Javascript and TypeScript, for different applications. Mainly Single Page Applications using frameworks like Vue and React.
- Refactoring of the code to improve quality, where possible, as well as contributing to architecture decisions for multiple applications with the different clients.
- Setting up continuous testing and deployment of different applications, as well as setting up task runners and dedicated single issue functions.
- Creation of several different Proofs of Concept and prototypes for new functionalities or new services either for existing applications or for new projects.

Luis Orduz

Bogotá, Colombia

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Software Developer (Backend) *BairesDev, Bogotá, Colombia* 10/19 - 07/20

Full-stack developer with a primary focus in the backend for one of the clients, a job posting application, using Go mainly with Gin and MongoDB. The infrastructure is primarily handled with Docker, orchestrated through Kubernetes and deployed using Gitlab CI pipelines.

- Development of new features and bug fixing in the back-end, updating libraries, code refactoring and task supervision during pagerduty cycle.
- Creation of new APIs as well as improvement of the Object Mappings in Go.
- Limited database administration, using express to monitor the mongo database and update possible errors.
- Multiple refactoring and introduction of improved development practices like following some Clean Architecture principles and more unit testing.
- Work on the different frontend views, written in Vue with Vuex, Vue-Router and Foundation.

Software Engineer *Analytics Fire, Bogotá, Colombia* 03/19 - 09/19

Full-stack developer for multiple clients, including a medical device supply company and a solar energy company, using python mainly with Flask, SQLAlchemy and Celery, or Javascript with node, express, TypeScript, Webpack and React. The infrastructure is primarily handled with Docker, circleci and task runners such as Invoke.

- Development of new features and bug fixing in the back-end of multiple applications, both in node and in python, updating libraries and deployments.
- General maintenance of the front-end of multiple applications, primarily react or angular based.
- Database administration, including handling migrations and automating the edition and creation of records as well as moving and maintaining the databases. PostgreSQL.
- Set-up and update of local development environments, primarily using docker and task handling tools.

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Software Developer (Backend) *BairesDev, Bogotá, Colombia* 11/17 - 01/19

Full-stack developer with a primary focus in the backend for one of the clients, a marketing research company, using python mainly with Flask, SQLAlchemy and Celery. The infrastructure is primarily handled with Docker and Python libraries such as Click.

- Development of new features and bug fixing in the back-end, updating libraries, code refactoring and task supervision during pagerduty cycle.
- General maintenance of the front-end of a particular interface, written in React.
- Limited database administration, using psql to monitor the database and update possible errors.
- Complete overhauling of the tests for cleanup and better maintenance, including the removal of existence boilerplate, replaced for mocking libraries.

Senior Python Developer *Globant, Bogotá, Colombia* 09/17 - 09/18

Backend development in python for general projects, currently focused on projects for National Geographic, primarily in Django.

- In charge of implementing the security guidelines for the Your Shot project, including migration to HTTPS and implementation of better text parsing and restriction techniques.
- Member of the SWAT team, in charge of providing backend support for other teams.
- General bug fixing and maintenance of both the code and the development environment.

Freelance Software Engineer *Bucaramanga, Colombia* 01/16 - 09/17

Python Developer (remote, contractor) *Scopic - temporary engagement (06/17 - 08/17)*

Software developer working primarily with Python and some operations work in one of the projects.

- Sole developer for a betting bot application using plain Python and different technologies such as Falcon for creating a RESTful API and APScheduler for managing the queues with redis.
- Set up a simple development environment using Docker.

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Software Engineer (remote, contractor)

Pensemos - continuous engagement (10/16 - 05/17)

Part of the programming team, sole responsible for setting up the deployment pipelines and maintainer of the WEB client that handles the periodic timelines of one of the largest cooperative companies in the country.

- Key team-member in the development of the web application using the Python web framework Django.
- Wrote front-end components using VueJS, communicating with a REST API, also built in Django, for efficiency.
- Introduced a continuous deployment process for ease and speed-up of development and deployment using GitLab and Docker through docker-compose.
- Maintainer and responsible for bug fixes and feature changes.

Software Engineering consultant (remote, contractor)

Pensemos - continuous engagement (01/16 - 05/17)

Sole responsible for maintenance, bug fixing and development of a note-taking and task management application called Agreele.

- Python and JavaScript Development.
- PostgreSQL Database administration.
- Linux server administration in Digital Ocean, provisioned with Bash and Docker.
- Fine-tuning of the provisioning process with Ansible planned.

Software Engineer *Pensemos, Bucaramanga, Colombia* 12/14 - 12/15

Took full ownership of backend development, developed the alpha of the frontend client and maintained a note-taking and task management application called Agreele.

- Built the entire backend infrastructure as a REST API using the Python microframework Flask and the ORM SQLAlchemy.
- PostgreSQL Database administration.
- Wrote the skeleton and initial versions of the frontend client using the javascript MVW framework Angular and the Foundation presentation framework.
- Configuration of the development and deployment infrastructure: Execution based on Docker containers provisioned using Git hooks with helper Bash scripts.

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Software Developer

Eximo, Bogotá, Colombia

07/13 - 11/14

Full-Stack software developer with responsibilities in maintenance and new features as well as responsible for several proofs of concept for a software development company handling different applications for varied clients and an in-house interactive CMS.

- Frontend (javascript) and Backend (java) work on the company's own graphical CMS for website prototyping. New features and bug fixes.
- Frontend (javascript) and Backend (java) work for a client's CRM. New features and bug fixes.
- Purchase, setup and maintenance of a proof-of-concept virtualization server, based on virtualbox, for testing deployments in different browsers.
- Initial migration of the version control system from perforce to git.

Education

Universidad Industrial de Santander

Systems Engineering April 2008 - April 2013

GPA: 4.28 - Outstanding student in Saber Pro national assessment.

Courses

Web Development w/ Google's Go (golang) Programming Language

July - 2017