

Alexander Barrera

FULLSTACK WEB DEVELOPER

github.com/barreraalexander

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Skills

HTML5 * CSS3/SCSS * JavaScript * Linux/Ubuntu * Nginx * Gunicorn
Python * Flask * FastAPI * MySQL * GraphQL * Github * PostGres * Redis
* Pytest/unit testing * Alembic DB Migration * Docker * CI/CD Pipeline
AWS Cloud Developer * S3 Buckets * EC2 * route53 * rds *
React JS * Vue3 JS * SQLAlchemy * Pydantic * Typescript

Experience

Title Leap | <https://titleleap.com/>

1110 N Olive Ave, West Palm Beach, FL 33401

FULLSTACK PYTHON DEVELOPER (December 2022 - Current)

Reference 1: Founder James Brown | jim@jnbpa.com

Reference 2: Head Engineer Laki Politis | laki@lakipolitis.com

- Build features for our B2B Title management application, Title Leap.
- Title Leap is a web application, built with the Python Flask framework, so I work primarily with Python, JS, HTML, CSS. We use MYSQL as our database, and I work in managing and modifying it to suit our new features.
- Attend meetings twice a week, to talk about business strategies, programming status updates, and future-feature plans.
- I have built the caching system for our app to optimize speed and reroute a bit of work away from our database. I have also added the schema concept to the entire app, to make our data more dynamic and understandable. And there are countless features I have built for our clients, as per request, such as a custom Workflow template/task management system, a Critical Date Reminders system (automatically sending alerts--texts, emails--as certain actions are committed on a title contract), and our Document/Repository Management system.
- The primary goal is to make the application scalable and modifiable, and I think we have excelled in that. Our customer base is growing every week, and I am happy to say that our programming efforts have made enticing and onboarding clients much easier than when we started.

Freelance Experience (Client Work)

Appseed | appseed.us/

FULLSTACK PYTHON/WEB DEVELOPER (October 2022 - February 2023) - Long Term Freelance

Client

Reference: Founder & CTO Adrian Chirilov
Personal Email: chirilovadrian@gmail.com
Company Email: support@appseed.us

- Building web products with Python FastAPI and Flask. Everything from Stripe-Enabled Shopify-like vendor sites, to Dashboard enabled vendor sites with reports.
- The end product is always a dockerized web app, built with python flask or python fastapi. This will usually include database migration with Alembic, unit testing with Pytest, database persistence between SQLITE and MYSQL (or Postgres), a REST api for handling users, products, and authentication, and a set of UI routes, for the frontend.
- Frontends are built by our partner Creative-Tim (<https://www.creative-tim.com/?AFFILIATE=128200>), however I convert their HTML pages to Jinja 2.
- I work closely with the CTO to build applications to very specific standards.
- I write the documentation for our web products, this includes all of the instructions on how to run the different parts of the app (unit testing, db migration etc), and how to launch the main app, both automatically with docker and manually.
- Applications are managed on github. The review team submits change requests and feature requests to different, and I respond with requisite code changes.

Piranha Brands | www.piranhabrands.com/

API DEVELOPER (November 2022 - March 2023) - Freelance Client

- Built an XML based SOAP API for the company. Based off of the documentation: <https://promostandards.org/>
- Automated the ability to produce and store dynamic test data.
- Unit testing with pytest, over 50 unit tests.
- Database with over 40 entities, very large.
- <https://github.com/barreraalexander/promostandards>

Privacy Playbook | privacyplaybook.com

FRONT-END WEB DEVELOPER (February 2021 - November 2021) - Freelance Client

Reference: Founder Russell Owen

Company Email: russell@privacyplaybook.com

- Built the front-end using vanilla html,css and js, based on the specifications of a designer.
- Worked closely with a back-end developer to code up some “glue” functions between the api and html components.
- Controlled different versions of the app using github.