JONHNATHA TRIGUEIRO

Compute Engineer with solid skills in software development

SKILLS

Python	8+ yrs
Django	8+ yrs
Django Rest Framework	5+ yrs
Javascript	8+ yrs
Typescript	2+ yrs
TailwindCSS	2+ yrs
React	2+ yrs
Zustand	2+ yrs
Docker	8+ yrs
Shellscript	10+ yrs
GNU/Linux	5+ yrs
AWS	3+ yrs
Terraform	2+ yrs
DevOps	4+ yrs
Jenkins	7+ yrs
Github Actions	1+ yrs
Bootstrap	5+ yrs
CHEF	3+ yrs

ABOUT ME

Compute Engineer focused in WEB development systems, containers and DevOps culture evangelist. Self taught professional with the mission of providing sustainable applications.

As a Pythonist, I love to create applications applying the Zen of Python, mainly on the part "Explicit is better than Implicit". I consider myself as a good Django developer; It's a great tool for the prototype because it's productivity up to solid production environments due to it's mature and battle tested ecossystem.

Also I present keynotes on my freetime and I'm used to be pretty engaged to the Opensource community. Customer-oriented, focused on quality and maintainability. Highly motivated to work in a team, both comfortable in big companies as in small teams.

As an aviation enthusiast, I used to constantly being driven by the philosophy of the skies: security on the first place, clear communication, redundancy and enjoy the view at FL420.

WORK EXPERIENCE

Senior Software Engineer   Jul 24 - Today
Loka

As a Senior Backend software Engineer I worked with several startups in order to enable their business. Recently I'm working with GenAI applied to healthcare.

- Work with FHIR documents;
- Use of GenAI with specialized agents;
- Work with Structured outputs;

Technologies includes:

- Python 3.10+;
- FastAPI;
- AWS Services;

Tech Lead   Dec 23 - Jun 24
MaisTodos

I'm responsible to support a 5 devs team in order to ship software to production, on both backend and frontend. Also, I'm responsible for creating stories, debug problems in higher environments and act as a bridge between my team and the Engineering Manager.

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- Team Leadership;

- Build and maintain SDLC using good practices, DDD, SOLID;

- Keep the team unblocked; reviews, 101s;

- Troubleshoot on higher environment;

- Teach other developers;

- Work with Kanban

Technologies includes:

- Python 3.8+;

- AWS Lambda / Chalice;

- Django Rest Framework;

- Pytest for Unit Testing;

- React Native;

- Django;

Senior Backend Engineer (Django) `Mar 22 - Sep 23`
Routable

I work at this startup as a Backend Engineer. Amongst my duties, I maintain a part of their code that handle communications with 3rd party ledgers. Routable is a startup that offers a payment one stop shop to it's clients.

- Developing Endpoints with DRF that communicates with the Frontend application;

- Improve the running processes;

- Development focused on hardened security in mind;

Technologies includes:

- Python 3.8+

- Django Rest Framework;

- Pytest for Unit Testing;

- Django;

DevOps Engineer `Dec 21 - Mar 22`
Beatstars

I mainly support their Java based running applications. Also I work developing some automations on Jenkins side in order to better support their deployment processes that uses AWS. Also I work closely on Observation through Datadog. Aside of that I work educating teams to better apply the DevOps Culture.

- Creating Customizable Jenkins pipelines using Shared Libraries;

- Supporting pre-existing pipelines and shell scripts;

- Working closely with AWS infrastructure and Datadog

2012 - 2016

BEng Compute Engineering

UNP - Universidade Potiguar

Branch of Laureate International
Universities

Full scholarship.

Learned about microcontrollers
and the best way for integrate
hardware and software.
Focused on industrial automa-
tion.

LANGUAGES

English	Adv
Portuguese	Native

LICENSES

Driving License	AB
USA Visa	B1/B2

Technologies includes:

- Jenkins Pipelines (scripted/declarative);
- Gradle;
- Docker with private repositories on ECR
- Python.

Contractor DevOps/FullStack Developer   `Dec 20 - Nov 21`
Squaretrade / AvenueCode

Actually I help maintaining current running applications, as well as I perform
automation development into their pipelines. In addition to that the pipelines
has been created under Jenkins' shared libraries with making a massive use of
Gradle for their automation scripts. Also I develop some Python based tools
for managing their services, packaging it through Docker and distributing
inside their pipelines.

- Creating Customizable Jenkins pipelines using Shared Libraries;
- Troubleshoot pre-existing pipelines;
- Development of python packages (using Poetry via PEP 517);
- Revamp a VM application approach to a containerized one.

Technologies includes:

- Jenkins Pipelines (scripted/declarative);
- Gradle;
- Docker with private repositories on Artifactory
- Python.

Contractor DevOps/FullStack Developer   `Sep 17 - Dec 20`
Mastercard / Wipro

Software Engineer responsible for creating solutions for the Enable Team. My
main duties on the company are: general troubleshooting ; enhancements to
previously created pipelines and creating new solutions that enhances the the
observability and control, and so on.

- Created Django based applications into Dockerized environments that han-
  dles vRealize APIs and SSH connections in order to create a self-service plat-
  form for Developers being able to request a production environment virtual
  machine for development and testing;
- Managed legacy code using Chef Config Mgmt;
- Created and maintained Jenkins pipelines;
- Supported legacy rails applications, from Pipelines up to developed environ-
  ments;
- Created tools for handling REST Api calls on known services in order to
  generate dashboards;

Technologies includes:

- Django, Created Python Libraries, Paramiko (for SSH Handling);

- HTML5/CSS3/Bootstrap3 VueJS for frontend applications;
- Chef, Docker and Jenkins Pipelines for the CI/CD Pipelines

Django Developer/DevOps Engineer
Preludian - Freelance

I acted as a Full stack Engineer for a renewable energy company manager system, from conception to deploy. Many ideas was given, like adding the ability for creating a Telegram BOT, drone remote programming for ortophoto shots, AI for verifying the authenticity of Documents with Brazilian authorities, Index all documents on elasticsearch for fast search, and so on.

- Created a fully working Django application with GIS support on Docker containers;
- System consisted by two admin panels, for staff and contractors;
- I created components responsible for connecting with Dropbox API in order to provide a virtual drive feature;
- Created a KMZ with all layers and polygons being plotted adding the ability to select, query and use with other layers on Google Earth;
- Added a task runner responsible for high demanded tasks, like mass download of documents recursively.

Technologies includes:

- Python 3 on Docker Images based on Alpine for performance;
- Fabric for creating deployment script;
- Django admin fully changed in order to add Dashboard and geoviews;
- Generating KML Using django template engine for Google Earth Layers;
- Dropbox API for the Drive capabilities;
- HTML5/CSS/Bootstrap for the frontend; Angular (v1) for the drive navigator;

SIDE PROJECTS

Build of an AI Image Generator interface
Kirsch

I worked with a friend to build a tool that serves as interface for several image generators. Initially we solved the following problem: how to get images from Midjourney and serve it on a webapp as soon as we have them.

- Interface between Midjourney (on Discord) and Webapp;
- Create a Next.js app with TailwindCSS;
- Realtime messages with WebSockets;
- Since Midjourney generate 1 stream of 4 images, we manipulate the images as they come.

Technologies includes:

- Python 3.11;
- Websockets for Python; Discord-py; FastAPI (with Pillow support for image threatment)

- Next.js

- Tauri (for windows builds) and Electron (for mac builds)

Build of a map based app for Renewable Energies Market   `Fev 23 - Today`
DATERRA

I'm developing a full stack application that acts as the one shop for companies and individuals being in touch with consumers in Brazil.

- Frontend application with Next.js and TailwindCSS;

- Backend with Django 4 and Postgis;

- Websockets with Django Channels;

- Login using 2FA on Whatsapp numbers provided by Twilio;

- Unit tests with PyTest for the Backend;

Technologies includes:

- Python 3.11;

- Django 4

- Next.js 13

- React with Zustand

- TailwindCSS

- Docker (with docker-compose)

- Terraform (for AWS deployment using ECS)