Guilherme Forton Viotti

Software Developer - Project Manager - Sustainability Advocate

Contact

- Grays (Essex), UK
- (+44) 0745 010 4655
- guilhermeviotti@gmail.com
- github.com/guifv
- @guilhermeviotti
- Portfolio: www.gfv.bio

Skills

Python · Django · Django REST Framework · Flask · FastAPI · CI/CD · Databricks · Docker · Dev Container · React · Azure · Hx Renew · AI · LLM · Celery · RabbitMQ · API · CSS · HTML5 · Bootstrap · AWS · CDK · S3 · Lambda · Azure · Heroku · Git · PostgresQL · MySQL · MongoDB · SQlite3 · Javascript · Excel · Pandas · NumPy · PySpark · Confluence · Jira · Trello · Arduino · Raspberry Pi · Agile · Scrum · Kanban · PMI · Automation · IOT

Appraisals

I had the pleasure of working with Guilherme, and his expertise in software engineering is truly impressive. He has an exceptional ability to quickly pick up new technologies and implement them to drive real business value. His innovative approach to problem-solving and creative passion for optimizing data processes helped streamline several key projects. Guilherme's proactive mindset and commitment to excel make him a valuable asset to any team.

Mincho Kabakchiev

Volunteer

Sep. 2009 - Dec. 2010:
PMI Educa (college educator - Rio de Janeiro, Brazil)

Feb. 2015 - Jan. 2023:
Regional point of contact for The Venus Project (Resource Based Economy)

Summary

A results-driven software developer and project manager with a passion for designing innovative solutions to complex challenges. With a proven track record of delivering impactful projects, I thrive whether leading independent initiatives or driving success as part of a collaborative team. My diverse skill set enables me to adapt quickly and consistently deliver high-quality results.

Recent Experience

Software Developer
Jun. 2024 – Sep. 2024
Liberty Specialty Markets (Reinsurance)

- Within the first month of employment, gained proficiency on Hx Renew framework and successfully conceived, advocated to stakeholders and delivered a solution for the company's reinsurance policy model generator.
  (Python, Hyperexponential Renew Framework, React, Pandas)
- Executed maintenance of integration between SalesForce and AWS backend solution
  (Python, AWS, Lambda, SQS, DataDog)

Software Developer / Data Engineer
Nov. 2022 – Jun. 2024
Expana (former 'Mintec Global' - Commodity price and forecast)

- Developed internal platform for teams to leverage company data. Including machine learning tools for commodity similarity searches and suite for automated weather data retrieval, analysis, and compilation. The platform directly impacted sales, driving new client conversions and upselling existing clients.
  (Python, Django, Hugging Face, Celery, RabbitMQ, Bootstrap, PostgresQL, Django Restful API, AWS, MongoDB, Pandas)
- Led internal Databricks transition, developing examples, documentation, and best practices. I was appointed internal point of contact for all team efforts moving forward.
  (Databricks, Spark, Pyspark, Dev container, Azure, Confluence, Jira, CI/CD)

Software Developer
Mar. 2022 – Nov. 2022
Viden Ventures (former 'Projog' - Cryptocurrency and NFT investment)

- Developed a real-time NFT market analysis web application, enabling verification of large investor movements. The app alerts investment teams when analyst criteria are met, flagging NFTs with high trade potential. This tool more than doubled trade opportunity profits.
  (Python, Django, Bootstrap, PostgresQL, Restful API, Heroku)
- Created a Twitch TV web application for partner streamers, converting viewer watch time into redeemable points. This innovation helped secure deals with top NFT game streamers, positioning the company as a market leader in brand exposure.
  (Python, Django, Bootstrap, PostgresQL, Restful API, Heroku)
- Co-developed the company's trade identification system for tracking and managing all investments. This significantly boosted profitability of funds and assets.
  (Python, Javascript, Excel)

Project Manager
Nov. 2019 – Jan. 2022
LABR (former 'GarageGeek' - Software development factory)

- Managed seven-figure projects for nationwide companies, consistently delivering on time and within budget.
- Led the recovery of failed competitor projects, turning them around to meet client expectations.
- Developed innovative management strategies by blending Scrum and Waterfall methodologies to address unique project needs.
- Co-designed internal team management software, later upgraded and implemented company-wide.
  (Trello, Jira, Excel, Agile, Scrum, Waterfall, Kanban)

Product Owner
Sep. 2018 – Apr. 2020
Esens (Book summary app - iOS and Google Play)

- Developed a new production workflow, increasing output by 120% within 2 months.
- Automated 90% of the team's processes, completely eliminating versioning errors in editorial copy and audio produced with the partner studio.
- The partner studio adopted our optimized production process, replacing their own internal system.
  (Trello, Excel, Scrum, Waterfall)

Additional experience available at: https://www.linkedin.com/in/guilhermeviotti/details/experience/

Projects

Leadership and Machine Learning Models
Co-authoring research paper lead by Daniela Valdes on Collective Leadership and Large Language Modeling (Not yet published - Data: public NHS records)

RAG GPT - https://link.gfv.bio/RAG-GPT
Advanced version of ChatGPT that answers with user-uploaded document data. Showcasing CI/CD, AWS (CDK, Lambda, S3), Flask, and LLM using Retrieval-Augmented Generation (RAG) technique.

App Teatro Brazil
Award-winning mobile app for the theatre sector in Rio de Janeiro, released in 2016. Developed with PHP/WP for the backend and an off-the-shelf web framework for App Store/Google Play.

Recycled Sustainable House - https://link.gfv.bio/house
A proof of concept demonstrating the potential of building with recycled materials.

eBike Battery
Recycled 20 notebook batteries to create a usable battery for my e-bike, which lasted over 5 years.

Relevant Education

Udemy - Azure Databricks and Spark for data engineers	2023
Coding for entrepreneurs - Python based web services	2017 - 2018
Coursera - Python for Everybody (Data structures, web access, processing and visualization)	2016
ProjectLAB - Advanced PMBoK (PMI AVAN 001)	2010
Universidade Candido Mendes - Business Administration (bachelor degree)	2000 - 2005