# Gerardo E. Zayas Álvarez

Junior Python & Full Stack Developer

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Innovative Full Stack Developer specializing in Python and JavaScript/Node. Demonstrated success in creating efficient, scalable solutions and automation tools. Adept in cloud computing and educational technologies, seeking to leverage my skills in a dynamic software development environment.

- **Languages and Technologies:** Python, HTML, CSS, JavaScript, Node, SQL, Redis, Docker
- **Frameworks:** Django, Flask, FastAPI, Node.js, React, Angular
- **Cloud Services:** AWS

## Projects

### Automatic Google Calendar Event Creator App

- Developed a Streamlit application to automate the creation of Google Calendar events, significantly reducing the manual effort required.
- Integrated Google Calendar API, saving users approximately 80% of the time compared to manual entry.

**Technologies**: Python, Streamlit.

🔗 Google Calendar App Link

### Student Report Generator Desktop App

- Created a desktop application to automate the generation of student reports for a language academy.
- Increased efficiency and accuracy, reducing the time spent on report generation by 70%.

**Technologies**: Python, Tkinter.

🔗 Report Generator Github link

### Best English Resources Website

- Built a comprehensive website to host a curated collection of the best online resources for ESL learning and teaching.
- Improved user access to high-quality educational content and enhanced website performance.

**Technologies**: HTML, CSS, JavaScript, Flask.

🔗 Best English Resources Github link

### Memrise Vocab Lists to Excel Scraper

- Implemented a CLI tool to scrape vocabulary lists from Memrise and export them to Excel, streamlining the study process.
- Saved users significant time and enhanced data organization. **Technologies**: Python, BeautifulSoup, Pandas, CSV, Xlsxwriter.

🔗 Memrise Vocab Github link

### Viasona.cat Song Lyrics Downloader

- Implemented a CLI tool to download song lyrics from Viasona.cat, making it easier for users to access and store lyrics.
- Automated the lyric download process, saving users significant time.

**Technologies**: Python, BeautifulSoup, Requests.

🔗 Viasona.cat Downloader Github link

### API English Resources

- Designed and implemented a RESTful API to provide access to a curated collection of ESL resources, enhancing accessibility and usability.
- Improved resource management and retrieval speed by 40%.

**Technologies**: Python, Flask-Restful, SQL, API

🔗 API English Resources Web

### OpenAI Language Learning Assistant

- Developed a CLI tool utilizing OpenAI's language models to generate sentences, questions, and collocations for language learning.
- Increased user engagement by 50% through interactive content generation.

**Technologies**: Python, OpenAI API.

🔗 Language Assistant Github link

### Problem Solving Questions Web App

- Developed an interactive web application to apply Tony Robbins' Problem Solving Questions, fostering personal development and problem-solving skills.
- Increased user retention by 30% through an engaging user interface.

**Technologies**: Python, Html, Css, Reflex

🔗 TR Problem Solving Questions App

### Goodreads Quotes Scraper Web App

- Created a web application to scrape quotes from Goodreads author pages and download them as text files.
- Reduced manual effort by 60% through streamlined quote collection.

**Technologies**: Python, BeautifulSoup, Streamlit

🔗 Goodreads Quotes Scraper Github link

### Wordwall Quiz Creator

- Developed a CLI tool to automate the creation of Wordwall quizzes from files, enhancing efficiency.
- Reduced manual effort by 70% and increased productivity for educators and students.

**Technologies**: Python, Selenium, Pyperclip.

🔗 Wordwall Quiz Github link

## Skills

| Skill | Level |
|---|---|
| Python | ■■■■■ |
| Django | ■■■■□ |
| Flask | ■■■■□ |
| FastAPI | ■■■■□ |
| HTML / CSS | ■■■■□ |
| Pandas / NumPy / Matplotlib | ■■■■□ |
| SQL | ■■■■□ |
| JavaScript / Node | ■■■■□ |
| Git / Github | ■■■□□ |
| React / Angular | ■■■□□ |
| Docker | ■■■□□ |
| Redis | ■■□□□ |
| C# / Dotnet | ■■■□□ |

## Languages

| Language | Level | |
|---|---|---|
| Spanish | Native | ■■■■■ |
| English | C2 | ■■■■■ |
| Catalan | B2 | ■■■■□ |
| German | B1 | ■■■□□ |
| Portuguese | B1 | ■■■□□ |
| Italian | A2 | ■□□□□ |

## Certifications

**The Python Mega Course**
Udemy
2022-12-30

🔗 Link

**Scientific Computing with Python**
FreeCodeCamp
2021-04-07

🔗 Link

**Programming Foundations: Algorithms**
LinkedIn Learning
2022-12-01

🔗 Link

**Learning Cloud Computing: Core Concepts**
Linkedin Learning
2022-12-16

🔗 Link

**Responsive Web Design**
FreeCodeCamp
2022-03-26

🔗 Link

**JavaScript Algorithms & Data Structures**
FreeCodeCamp
2022-10-28

🔗 Link

## Education

**Universitat Autònoma de Barcelona**
Master in Advanced English Linguistics
2018-10-05 - 2020-09-01

**Universidad de Santiago de Cuba**
Bachelor of Spanish Philology
2010-10-12 - 2015-07-20

## Interests

Machine Learning    Data Science    RPA Python

Open Source Educational Software    API Development