

Daniel Gil Barrera

Full Stack Developer

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About

As a creative developer with 2+ years of coding experience, I excel in ensuring clarity and understanding in team environments, turning application ideas into viable realities. I have a knack for collaboration, and a strong drive to communicate complex concepts effectively and build software.

Skills

Programming

- Python
- Javascript
- Django
- Vue.js
- PostgreSQL
- Django Rest

Languages

- English ([C2](#))
- Spanish (Native)

Work history:

Freelancing and freebies

- At Berlitz, I accomplished the automation of daily tasks by creating dedicated Python scripts, **eliminating 100%** of the related unnecessary workload for instruction staff.
- Successfully designed, implemented, and **deployed 5 websites** for clients using Django, DRF, Vue.js, and Pythonanywhere.
- Successfully developed a fully functioning CRUD application, "Winged" **within 8 days** of learning the Django framework.
- Elevated user experience on the "Winged" application exploiting Vue.js reactivity for single-page application feature implementation.
- Plugged into LLMs on HuggingFace and OpenAI exposed through their APIs to implement note curation features that **fully automated** the organization of information on "Winged".

Education

- **Software Engineering Degree at Universidad Del Valle - Cali, Colombia.**
February 2019 — Present

Projects

- **Winged:** Extended Notebook 2.0's functionality with single-page-like features on Vue.js, a backend on DRF, and a better-designed set of models in PostgreSQL for long-term scalability. Tested feature functionality thoroughly and used CircleCi for a CI/CD development pipeline.
- **Notebook 2.0:** Personalized notebook web app built in Django, HTML, CSS, JavaScript, and SQLite. Used UML diagrams for database planning and implemented dynamic updating using an AJAX library (HTMX) for a single-page application-like experience.
- **My portfolio website.** A dynamic web app displaying my projects, skills, and experience through a CRUD Django SQLite database implementation rendered to HTML templates.
- **Sanke.** Snake game developed for a university course on programming foundations and design with vanilla JS, HTML, and CSS.
- **Tomatotimer:** Productivity tool based on the Pomodoro technique with Tkinter GUI and CSV database for task metadata, developed for learning and self-improvement.