David Jimenez

Junior Full-Stack Developer

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SUMMARY

Junior full-stack developer and current student in the DUAD software development bootcamp. I build and deploy web applications with Python (Flask, FastAPI), SQL databases, and JavaScript, React, and Next.js, and I back my code with automated tests (pytest). All projects below have public code and most have live demos. Background in B2B sales and client relations. Spanish and English.

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), TypeScript, SQL (SQLite, MySQL), HTML5, CSS3
Backend: Flask, FastAPI, Pydantic, Flask-SQLAlchemy, SQLModel, Jinja2, REST APIs, session auth
Frontend: React, Next.js (App Router), Tailwind CSS, Chart.js, Fetch API, async/await, localStorage
Testing & Tools: pytest, unittest, Git, GitHub, Linux (command line), npm, ESLint, Postman, Gunicorn
Deployment & Services: Render, Vercel, GitHub Pages, Firebase Authentication and Cloud Firestore

PROJECTS

Finance Tracker *Python, Flask, SQLite, SQLAlchemy, pytest, Chart.js* — Live demo | Code

- Multi-user personal finance app with hashed-password login and session auth, categories, income and expense tracking, a balance dashboard, and monthly and per-category summaries with a chart.
- Evolved my DUAD "Gestor Finanzas" desktop app into a web app with a relational SQLite schema (users, categories, transactions with foreign keys) and Flask CLI commands to create and seed the database.
- Wrote 19 pytest tests for the finance logic, authentication, and transactions; deployed to Render with Gunicorn.

SacHealth OS *Python, FastAPI, SQLModel, SQLite, JavaScript, Tailwind CSS* — Code

- HealthTech prototype: a rule-based clinical triage engine and a bed-management dashboard served by a FastAPI REST API (`GET /beds`, `POST /triage/analyze`) with SQLite persistence seeded on first run.
- Pydantic input validation, a CORS allow-list, escaped HTML output, and a clear offline state when the API is down; 27 pytest tests on in-memory SQLite.

Crypto Dashboard *JavaScript (ES modules), Chart.js, Firebase, CoinGecko API* — Live demo | Code

- Live prices for 7 coins with 24h, 7d, and 30d history charts, a USD/EUR switch, and 60-second auto-refresh; Firebase sign-up and login with a protected route and Firestore user profiles.

Portfolio *Next.js, React, TypeScript, Tailwind CSS* — Live site | Code

- Personal site on Vercel with a responsive navbar, accessibility features (skip link, visible focus, semantic lists), and Open Graph/SEO metadata; lint and build checks before every merge.

Weather App *JavaScript, Open-Meteo API, HTML/CSS* — Live demo | Code

- City search with geocoding and current temperature, feels-like, humidity, and wind; °C/°F toggle, weather-code icons, and loading and error states.

QuipuCash *HTML, CSS, JavaScript, Chart.js* — Live demo | Code

- Early front-end project: crypto news and prices page with a price table and a Chart.js bar chart.

To-Do List and **Guess My Number** *JavaScript, HTML/CSS* — To-Do demo | Game demo

- Task manager with localStorage persistence; number-guessing game with hints, an attempt counter, and input validation.

EXPERIENCE

Corporate Sales Consultant, Movistar Negocios (Larana, Inc.) — May 2019 – Feb 2020

- Sold business services B2B to small and mid-sized companies; managed the corporate client database and resolved customer issues, building client-facing communication and problem-solving skills.

EDUCATION

DUAD (De Usuario a Desarrollador) by Lyfter, Software Development Bootcamp — Current student

- Completed modules: IT Essentials, Programming Logic, Python Basics, Intermediate Python, How the Internet Works. In progress: Databases. Exercises at github.com/coderblockch/duad-exercises.

Certifications — Platzi (online): Linux Development Environment Setup (2022) · Ethereum for Developers (2022) · Ethereum Fundamentals (2023) · n8n Workflow Automation (2025) · Personal Finance series (3 courses, 2023)
platzi.com/p/jdavid_jimenez