ANTON TORRES FERNÁNDEZ

SOFTWARE ENGINEER | BACKEND & PYTHON | APPLIED AI

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PROFILE

Software Engineer with experience delivering full-stack web applications, backend integrations, and enterprise IT solutions. Built a Python/OpenCV computer-vision platform and an API-driven document automation prototype integrating databases and external services. Experienced in web project delivery and cross-functional collaboration; focused on backend engineering, reliable data workflows, and applied AI.

TECHNICAL SKILLS

Languages: Python · PHP · JavaScript · SQL
Backend & data: HTTP/JSON APIs · Lumen · MySQL · Firebase · relational data modeling
Applied AI: OpenCV · LBPH face recognition · QR processing
Engineering: MVC architecture · Git/GitHub · document automation · PDF generation
Currently exploring: FastAPI · local LLM experimentation with Ollama

SELECTED ENGINEERING PROJECTS

SIVAL 2.0 | Python · OpenCV · PHP · MySQL · Firebase

- Developed a hybrid university access-control system with LBPH facial recognition, QR-based visitor validation, access logs, and administrative workflows.
- Integrated Python vision components with a PHP/MVC application via Firebase event synchronization and MySQL persistence; supported data reporting.

View source and architecture →

EditorUFD | PHP · Lumen · MySQL · CKEditor 5 · Dompdf

- Built an internship prototype to replace repetitive institutional document handling with reusable HTML templates and dynamically generated PDFs.
- Designed HTTP/JSON document workflows for CRUD, template-variable resolution, autosave, and PDF generation; the prototype later informed the institution's tooling.

View source and architecture →

PROFESSIONAL EXPERIENCE

Deputy IT Manager — Grupo Hidalgo | 2026

- Coordinated internal technology projects and supported enterprise ERP, CRM, and BI solutions across operational teams.
- Worked on incident resolution, technical reporting, and cross-functional implementation of IT improvements.

Web Project Lead — Panda Studio | 2024–2025

- Contributed across the web project lifecycle, from planning and implementation to delivery and support.
- Integrated payment services into web solutions and translated business requirements into technical deliverables.

Additional experience: Safety Technician — Essity Sahagún (2025–2026): operational reporting, risk tracking, and team coordination.

EDUCATION & RECOGNITION

Software Engineering degree — Universidad Tecnológica de Tulancingo (2021–2025).

Hackathons: 1st — Regional Praxis–UTVM (2024); 2nd — National IDS Pasión por Innovar (2022, AI prediction); 1st — UTEC University (2021, SaaS marketplace).

Languages: Spanish (native) · English (B1).