

Steven Peñafiel

Software Engineer

Quito, Ecuador
(593) 958836085

<https://www.linkedin.com/in/stevendanny/>
<https://stvdn.github.io/>




Highly adaptable software engineer with 4 years of experience in software development. My experience includes developing web applications and implementing software solutions, leveraging languages like Python, PowerShell, JavaScript, and PHP, along with frameworks such as Angular, React, Laravel, and Flask. I enjoy working in collaborative, agile teams and continuously seek to grow as a software engineer.

Work Experience

Software Engineer	Redsis Remote	December 2022–Present
<ul style="list-style-type: none">Automated the migration of 1,600+ processes from a legacy orchestrator to JAMS for a major financial institution, improving scalability, modularity, and modernization, while completely eliminating previous orchestrator errors.Designed and developed a Python ETL solution to consume data from a SQL Server database, transform it, and make the necessary calls to a REST API. Applied object-oriented design patterns and adhered to SOLID principles, resulting in a 2x improvement in migration time.Architected and implemented logic for the remote execution of SSIS packages, validating available Windows system resources (CPU, RAM) in real time using PowerShell and WinRM.Analyzed business logic and integrated custom functionality into JAMS using Python and PowerShell, adapting the tool to the bank's operational requirements and reducing manual errors by 80%.Led meetings with banking staff for requirements definition, tool training, and solution presentations, ensuring stakeholder satisfaction and smooth project progress.Successfully resolved an internal bank authentication error related to Kerberos during production deployment by identifying missing components between the Active Directory server and a legacy Windows server, ensuring the project deadline was met.		
Full Stack Web Developer	WebCoop Quito, Ecuador	May 2022–December 2022
<ul style="list-style-type: none">Developed the treasury module backend using PHP with the Laravel framework and MySQL; utilized Blade and JavaScript for frontend implementation.Collaborated with specialized operational staff from banking cooperatives in Ecuador to gather requirements and design the treasury module for integration into the core banking system.Proposed and developed the functionality for sending automatic reports via text messages, designing and implementing it with JavaScript and the WhatsApp REST API.Built CRUD operations with Blade and Laravel for report management across various system modules, including implementing pagination, filters, and data linking to enhance website navigation and user experience.		
Mobile and Web Developer	Hausi Quito, Ecuador	February 2022–May 2022
<ul style="list-style-type: none">Built a loan calculator for the website using JavaScript, HTML, and CSS, with formulas adapted to Ecuadorian bank interest rates.Developed a mobile application for property rental and sales from scratch using Flask and Firebase, including core features such as authentication, registration, property listings with search and filters, detail views, and a favorites list, among other pages and functionalities.Proposed and implemented Firestore NoSQL for data storage, Firebase Cloud Storage for managing images and files and Provider for state management.Automated customer data import from the startup's CRM into Firestore using Make, including data extraction, cleansing, and transformation according to business rules.		

- Developed web features using **Angular** and **TypeScript** for the frontend and **Firebase** services for the backend.
- Implemented multi-method authentication (Google, Facebook, OTP, and email) and user role-based access (vendors vs. regular users).
- Developed logic for business users to create content-rich blogs and forums with social interactions (likes, comments, replies).
- Built backend APIs in **PHP (Laravel)** to generate metadata for social sharing cards, enhancing **SEO** and platform visibility.
- Generated purchase reports and invoices (PDF/Excel) sent via email.
- Collaborated on the migration of the website from **Angular** to **Ionic**, enabling multi-platform support (web and mobile).




Education and Certifications

- **Bachelor's Degree in Information Systems Engineering** 
Pontificia Universidad Catolica, Ecuador, 2018–2022.
- **SOLID Programming Principles** 
LinkedIn Learning, Online.
- **Docker Foundations Professional Certificate** 
LinkedIn Learning, Online.

Skills

- **Languages:** Python, JavaScript, TypeScript, Powershell, PHP, Dart
- **Frameworks:** React, Flask, Angular, Laravel, Next.js
- **Technologies:** Docker, AWS, Git, SQL and NoSQL databases, Trello, Jira, Windows, Linux
- **Other:** OOP, SOLID principles, Solution Architecture, Proactivity, Communication Skills, Adaptability

Recent Projects

- **Web Portfolio** 
Developed from scratch using **Next.js** with **TypeScript**, integrated with GitHub Actions for automated deployment.
- **Video to MP3 Converter** 
Console application built to practice microservices architecture, featuring modular services using **Python**, **Docker**, **RabbitMQ**, and **MariaDB**.
- **Nani Boutique** 
E-commerce app built with a modern full-stack architecture using **Vite + React**, **Flask**, **PostgreSQL**, and **AWS S3**. Entire project is **containerized** with **Docker Compose**.