

ARNIE CALDERÓN

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PROFESSIONAL SUMMARY

Full-Stack Developer with solid experience in building modern, scalable, and business-oriented web applications. Specialized in developing smooth frontend architectures (React, Next.js) and enterprise backend solutions integrating relational and non-relational databases. Software Engineering senior student at Universidad Tecnológica del Perú, with a proven track record of technical and commercial impact, including developing a production POS system that boosted sales by 97% and data integrations with SAP ERP systems. Passionate about clean architecture, SOLID principles, and the agile resolution of complex problems.

PROFESSIONAL EXPERIENCE

IMPRESX EUROPE S.L.

Freelance Frontend Developer

Madrid, Spain (Remote)

September 2025 – Present

- Designed and developed from scratch a robust corporate SPA web application for internal management, consuming multiple REST APIs and ensuring a high level of modularity and maintainability.
- Led the migration of key features from a native mobile application to a responsive web interface, achieving optimal adaptive compatibility across multiple devices.
- Implemented pixel-perfect and accessible interfaces, designing an agile and reusable component system aligned with the company's design guidelines and UI/UX style guides.
- Successfully integrated critical data flows with a Django backend and SAP ERP via secure REST APIs, ensuring real-time consistency and synchronization of enterprise information.
- Collaborated actively in a distributed international team under Scrum methodology, coordinating asynchronous deliverables and conducting constructive code reviews.

INVERSIONES MAX PERU S.A.C.

Freelance Full-Stack Developer

Lima, Peru

October 2024 – October 2025

- Designed and developed **Ventify** (www.ventify.com.pe), a comprehensive Point of Sale (POS) and multi-branch inventory management system that drove a 97% increase in sales during its first year of commercial use.
- Designed and implemented an autonomous business AI assistant (Venty) integrated into the POS using **Firestore Genkit** (Gemini/DeepSeek) and **RAG** techniques, automating real-time analytical queries and executing POS actions via dynamic chat-driven widgets.
- Implemented a real-time, multi-branch infrastructure using Next.js, Firestore, and TypeScript, designing a Role-Based Access Control (RBAC) system and automatic inventory alerts that reduced operational losses.

FEATURED PROJECTS

Sumaq Uywa – Agricultural Management System

React, TypeScript, Node.js, Express, PostgreSQL

github.com/Arcay322/Sumaq_Uywa

Lead Developer

- Developed a modular system for the comprehensive administration of farms and livestock production, featuring dedicated workflows for animal reproduction, veterinary health, feeding, and expense/sales inventory.
- Implemented an interactive dashboard with dynamic data visualization using interactive charts to facilitate agile business decisions based on real-time data.

Ticket World – E-commerce Platform

Python, Django, Django REST Framework, PostgreSQL, JavaScript

github.com/Arcay322/Ticket_World

Lead Developer

- Created a complete ticket buying/selling platform for massive events, supporting three distinct user roles with a secure permission system and an advanced administration panel.
- Integrated Google Maps API for interactive location visualization and implemented a simulated payment gateway.

EDUCATION

Universidad Tecnológica del Perú

Software Engineering

Lima, Peru

2022 – December 2026 (Expected)

- Current Status: 9th Semester. Academic focus on software architecture, advanced databases, data structures, and agile methodologies.

TECHNICAL SKILLS & LANGUAGES

Languages: JavaScript, TypeScript, Python, HTML5, CSS3, SQL.

Frameworks & Libraries: React.js, Next.js 14/15, **Firestore Genkit**, Tailwind CSS, Shadcn/ui, Material-UI, Framer Motion.

Backend & Cloud: Node.js, Express, Django, Django REST Framework, Firestore (Firestore, Auth, Storage, Hosting), PostgreSQL, SQL Server, **LLM Integration (Gemini, DeepSeek)**.

Tools & Practices: Git & GitHub (Git Flow), Docker, Vercel, Railway, **RAG (Retrieval-Augmented Generation)**, **AI Agents**, Testing (Jest, React Testing Library, Playwright), Scrum, SOLID, Clean Code, Responsive Design.

Languages: Spanish (Native) | English (Intermediate - Capable of technical communication and fluent reading of software documentation).

REFERENCES

"We highlight the professionalism, commitment, and technical capacity of Arnie Calderón, who developed Ventify for our company. Since its implementation, we have managed to increase our sales by 97%, ensure order and control of our inventory, and achieve greater efficiency in the knowledge and monitoring of our profit margins. We highly recommend Arnie and his Ventify system as a reliable, innovative, and effective strategic ally."

— René Forrest Minaya Isidro – Production Manager and Shareholder at INVERSIONES MAX PERU S.A.C.