

Diego Vargas Urzagaste

+591 69302176 | diego.v.u1999@gmail.com | [linkedin.com/in/diego-vargas](https://www.linkedin.com/in/diego-vargas) | github.com/temps-code | diego-vargas.vercel.app

SUMMARY

Systems Engineering student who takes projects from idea to production – web apps, APIs, and databases across TypeScript, C#, PHP, and Python. Delivered measurable operational improvements for a real client and maintain bilingual technical documentation.

EDUCATION

Universidad Privada Domingo Savio

Bachelor's in Systems Engineering — GPA: 85/100 (Final semester)

Tarija, Bolivia

Feb. 2022 – Feb. 2027

EXPERIENCE

Teaching Assistant – Intro to Programming & Programming I

Aug. 2023 – Jul. 2024

Universidad Privada Domingo Savio

Tarija, Bolivia

- Increased tutored students' pass rate by 20% through targeted exam preparation and practice materials
- Facilitated 40+ reinforcement sessions handling 150+ individual academic requests across two semesters
- Reduced assignment dropout rate by 30% by implementing a weekly student progress tracking system
- Enriched sessions with advanced topics: data structures, clean code, and algorithmic problem solving

PROJECTS

LION Business Manager | React 19, TypeScript, Tailwind CSS v4, Supabase, PostgreSQL

Mar. 2026

- Delivered end-to-end for a design and digital marketing agency – from client consultation to production
- Reduced the billing workflow from 1 hour to 15 minutes – a 75% operational improvement
- Architected the full PostgreSQL schema with PLpgSQL stored procedures and React 19 frontend (1.1MB TypeScript)
- Covers quotations, job tracking, client management, and invoicing in a single integrated platform

Brecha Digital – BI Pipeline | Python, SQL Server, Streamlit, Groq API

Apr. 2026

- End-to-end BI pipeline measuring Bolivia's digital skills gap: ELT medallion architecture (Bronze/Silver/Gold) with 9 KPIs across 4 dashboards
- Gap analysis via fuzzy matching against real job postings extracted by a Groq LLM from employment portals
- Regional benchmark comparing Bolivia against 17 Latin American countries using CEPALSTAT ODS 4.4.1 data
- AI assistant for natural language queries over the full dataset; deployed on Streamlit Cloud and presented at Expotec UPDS 2026

InnHub — In development | React, TypeScript, Tailwind CSS, InsForge, PostgreSQL, Vitest

May 2026

- Accommodation management MVP with 12 modules, 14 domain entities, and 5 access roles – Clean Architecture, Atomic Design, 165 commits in one month
- Complete bilingual documentation (7 docs) and GitHub Project with 20 roadmap issues; deployed on Vercel with Vitest

StackWise | React Native, TypeScript, Supabase, Zustand, Expo

Nov. 2025

- Developer-hiring mobile platform connecting engineers with companies via real coding challenges
- Candidate profiles, challenge evaluation flow, and company-side matching dashboard
- Academic project presented and evaluated at Expotec UPDS 2025

Tourism Microservice | ASP.NET Core 9, C#, Entity Framework Core, Docker, SQL Server

Jul. 2025

- REST API covering full tourism lifecycle: tour catalog, user registration, reservations with capacity validation, and payments
- Containerized with Docker Compose – API and SQL Server 2022 as isolated services; auto-migration and seeding via EF Core
- Academic project presented and evaluated at Expotec UPDS 2025

eCommerce B2C | Laravel 12, PHP, Blade, MySQL

Apr. 2025

- Full-featured online store with product catalog, shopping cart, checkout flow, and admin panel
- PDF invoice generation, order management, and role-based access (admin/customer)
- MVC architecture with Eloquent ORM, Blade templating, form validation, and session-based cart
- RESTful routes, responsive UI, and MySQL database with seed data

SKILLS

Languages: TypeScript, C#, PHP, Python, JavaScript, SQL

Frameworks: React 19, React Native, ASP.NET Core, Laravel, Astro, Expo, Vitest

Databases: PostgreSQL, MySQL, MongoDB, Supabase, SQL Server

DevOps & Tools: Git, Docker, Linux, Vercel, Streamlit, Docker Compose, InsForge, Scrum

AI Tools: Pi Agent, OpenCode, Codex

Competencies: Teamwork, effective communication, problem solving, self-taught, continuous learning, organization, planning, leadership, proactivity

Spoken: Spanish (Native), English (Intermediate — technical reading, writing and conversational)