

Douglas Sejas Gamez

Full Stack & AI Developer

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Summary

Full Stack & AI Developer I build end-to-end web applications and AI features (agents/automation), with a strong quality mindset thanks to my QA Automation background. Stack: React/Next.js, TypeScript/Node.js/Nest.js, Python/FastAPI, PostgreSQL + ORM (Prisma), E2E testing (Cypress/Playwright), deployments (Vercel/Cloudflare), LiveKit for AI voice agents, and Google ADK/LangGraph for general AI agents.

Experience

Full Stack & AI Developer, Aipraxia – Remote Abr 2025 – presente

Web product development + AI (including agents/automation).

- Built product features across frontend (React/Next.js) and backend (Node.js/NestJS and Python/FastAPI).
- Integrated AI for real product use cases, including LLM APIs, tools/function calling, agent-like workflows, and voice capabilities where applicable.
- Applied engineering best practices including testing with Cypress/Playwright, code review, documentation, and maintainable code.

QA Automation Intern / Project Lead (Thesis), Minka Software – Bolivia Sep 2024 – Ene 2025

Test automation for an accounting SaaS platform, replacing manual testing.

- Reduced overall testing time by 60% using Cypress (TypeScript) with Page Object Model (POM).
- Accelerated release cycles by automating 100% of critical test cases.
- Worked with developers and the CEO using Jira, and documented processes to improve team adoption.

Automation Tester, Testlio Ignite IV – Remote Abr 2024 – Jun 2024

Intensive automation program with real-world projects.

- Selected among 378 applicants.
- Cut testing time by 30% and increased coverage by 25% with Cypress + POM.
- Used Git/GitHub and Jira, contributing to a 15% reduction in production issues according to project metrics.

Manual Tester, Plan International Bolivia – Bolivia Feb 2024 – May 2024

End-to-end testing across functional, regression, and usability scenarios.

- Contributed to a 20% improvement in overall software quality.
- Identified and documented 50+ defects, improving team productivity by 10%.
- Standardized manual QA templates and guidelines for better traceability and communication.

Frontend Web Developer, Freelance – Remote Ene 2024 – Mar 2024

Built a web application for a real client.

- Built a web app with JavaScript/HTML and Tailwind CSS, focusing on clean and maintainable code.
- Implemented authentication and an admin dashboard, and ran ad-hoc testing to ensure data integrity.
- Designed the MySQL data model and refined requirements through client iterations.

Projects

AI Agent Platform for WhatsApp Customer Support (Bus Ticketing)

Ene 2025

AI agent to automate customer messaging for a Bolivian bus ticketing company via WhatsApp.

- Built a WhatsApp AI assistant connected to the company backend for availability, routes, schedules, fares, and bookings.
- Implemented RAG with semantic search over internal knowledge such as policies, FAQs, terminals, and baggage rules to provide accurate, grounded answers.
- Added guardrails and observability, including fallback to human support, logging, and error handling for reliable customer-facing responses.
- Stack: Next.js/React, Python/FastAPI, Qdrant, PostgreSQL, and Coolify.

Voice Assistant / Voice Agent (Banking Collections)

2025-2026

Real-time voice agent for banking collections, designed for low-latency calls and policy-compliant conversations.

- Orchestrated the full voice pipeline with LiveKit Server + LiveKit Agents, including real-time STT → LLM → TTS, turn-taking, and streaming responses.
- Built the backend in Python + FastAPI, integrating Parlant to enforce conversation guidelines, compliance, tone, and escalation rules.
- Developed a React + Next.js frontend for monitoring, call/session visibility, configuration, and iteration workflows.
- Implemented guardrails and reliability features such as human handoff, audit-friendly logging/traces, error handling, and fallback responses.

Full-Stack Survey Management Web App (AI Adoption Surveys)

Ene 2025

Web application to run AI adoption surveys with an admin back office to configure questionnaires end-to-end.

- Built a survey platform to capture AI adoption insights through audience targeting, question flows, response collection, and reporting-ready exports.
- Developed a complete back office to manage survey templates, question types, branching logic, publishing, and lifecycle control.
- Frontend: React + Next.js with Zustand for state management and a responsive UI for respondents and admins.
- Backend: NestJS + TypeScript REST API with PostgreSQL + Prisma ORM, including validation, data modeling, and auth/roles where applicable.

Education

Universidad Privada Domingo Savio, Bachelor's Degree en Systems Engineering – La Paz,
Bolivia

Feb 2019 – Mar 2025

- Thesis: E2E test automation for a SaaS platform (Minka Software).

Skills

Full Stack: React, Next.js, JavaScript, TypeScript, Node.js, NestJS, Python, FastAPI, REST APIs

Data: PostgreSQL, MySQL, Prisma, Supabase, Redis

Testing: Cypress, Playwright, Postman, Page Object Model (POM)

Deploy/Infra: Vercel, Cloudflare, Gunicorn, Coolify

Tools: Git/GitHub, Jira, Scrum/Kanban

AI Tools: Claude Code, Codex, OpenCode

Languages: Spanish (Native), English (Conversational)