Douglas Sejas Gamez

Full Stack AI Engineer | Agents, RAG, and Digital Products

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Professional Profile

Full Stack AI Engineer who designs, builds, and ships digital products and AI-powered applications to production. I work end to end with clients and teams across discovery, requirements gathering, scope definition, solution design, development, integrations, security, deployment, and support.

Experienced in building web applications, APIs, AI agents, RAG systems, automations, chatbots, and voice solutions with React, Next.js, TypeScript, Node.js, NestJS, Python, FastAPI, Django, PHP, and Laravel. Currently collaborating with Wingu on technology and social-impact projects for nonprofit organizations.

Professional Experience

Wingu, Full Stack AI Engineer - Project-based Contractor – Remote Apr 2026 – present

Project-based collaboration with Wingu, a regional technology organization supporting the digital transformation of social initiatives across Latin America and the Caribbean.

- Worked directly with clients and organization teams to understand problems, gather requirements, define scope, and turn manual processes into digital solutions.
- Built frontend and backend products from scratch using React, Next.js, Python, Django, PHP, and Laravel, integrating APIs, databases, and AI capabilities.
- For ODEINS (Peru), built an AI agent with a human-in-the-loop workflow that reviews reports, extracts information, classifies cases, automates routing, and escalates cases requiring institutional judgment to human staff.
- Reduced response times and manual work in long-running service processes, and shipped applications to production while managing development and production environments, servers, security, and automated deployments with Coolify.

Aipraxia, Full Stack AI Engineer – Remote Apr 2025 – Mar 2026

- Spoke with clients, understood their needs, gathered requirements, and contributed to solution definition before building features.
- Built frontend, backend, and AI workflows from scratch using React, Next.js, Node.js, NestJS, Python, and FastAPI.
- Integrated language-model APIs, function calling, agent-style workflows, and voice features; also contributed to deployments, server configuration, and maintenance of development and production environments.

Minka Software, QA Automation Intern / Project Lead – Bolivia Sept 2024 – Jan 2025

- Led the implementation of an E2E automation solution for an accounting SaaS platform using Cypress, TypeScript, and the Page Object Model.
- Reduced total test execution time by 60% and automated 100% of critical test cases, accelerating release cycles.

Testlio Ignite IV, Automation Tester – Remote Apr 2024 – June 2024

- Selected from 378 applicants for an intensive test automation program.
- Reduced test time by 30%, increased coverage by 25%, and contributed to a 15% reduction in production incidents.

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

- Identified and documented more than 50 defects through manual end-to-end testing and structured reporting.
- Standardized manual QA templates and guidelines, helping improve overall software quality.

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

- Built a web application with JavaScript, Tailwind CSS, and MySQL, including authentication and administrative dashboards.
- Implemented customer-facing functionality and contributed to the complete product delivery.

Selected Projects

AI Agent for Report Review and Routing - ODEINS (Peru) July 2026 – present

- Gathered requirements and designed the service workflow with the people responsible for the process.
- Built from scratch an agent that reviews reports, extracts relevant information, classifies cases, and automates routing.
- Implemented human-in-the-loop escalation so sensitive or ambiguous cases wait for human review and attention.
- Reduced response times and manual tasks in a long-running institutional process while preserving case traceability.

AI Agent Platform for WhatsApp Customer Support Jan 2025 – present

- Built an AI assistant for WhatsApp focused on customer support and automated reservations.
- Implemented RAG with semantic search over company policies and procedures.
- Stack: Next.js, React, Python, FastAPI, Qdrant, PostgreSQL, and Coolify.

Voice Assistant for Banking Collections Jan 2025 – present

- Developed a real-time voice agent using LiveKit Server and Agents for a collections workflow with compliance requirements.
- Orchestrated the complete voice pipeline, including STT, LLM, TTS, and streaming responses.
- Integrated Parlant for conversation guidelines, flow control, and escalation logic.

Education

B.S. **Universidad Privada Domingo Savio**, B.S. in Systems Engineering Feb 2019 – Mar 2025

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

Skills

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

AI Engineering: LLM APIs, RAG, embeddings, semantic search, AI agents, tool/function calling, LangChain, workflow automation, chatbots, voice agents, and human-in-the-loop

Data and Persistence: PostgreSQL, MySQL, Prisma ORM, Supabase, Redis, Qdrant, and vector databases

Production and Platform: Coolify, Vercel, Cloudflare, Gunicorn, CI/CD, server administration, development and production environments, security, and automated deployments

Quality and AI-native Development: Cypress, Playwright, Postman, E2E testing, regression testing, code reviews, documentation, Codex, Claude Code, and OpenCode