

# SEBASTIAN ESCOBAR

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## PROFILE

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Full-stack engineer and generative-AI specialist with four years building SaaS products end-to-end. I combine React / Next.js and Python / FastAPI with LangChain, Qdrant and GCP / AWS to deliver multichannel chat platforms, RAG pipelines and real-time data applications. Comfortable owning architecture, deployment and ML evaluation, I focus on clear UX, high availability and fast iteration.

## EXPERIENCE

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### TICIO – Backend & AI Engineer

Oct 2025 - Present

- Designed asynchronous REST services in Flask/FastAPI and deployed to Cloud Run with zero-downtime releases.
- Built Gemini-driven RAG pipeline (Supabase Vec + custom chain-of-thought) that generates jurisdiction-specific answers, cutting paralegal lookup time by more than half.
- Added e-signature and billing modules; enforced multi-tenant RBAC via Cognito and implemented Sentry tracing and Playwright regression tests.

### LATAM CODERS (Scale AI: Outlier) – Senior LLM Reviewer

Nov 2024 - Oct 2025

- Curated and audited 20 000+ chain-of-thought prompts, SQL queries and audio data; led rubric design for reasoning and retrieval quality.
- Developed Python and TypeScript harnesses that surface edge-case failures in GPT-o3, Claude 4.5, Gemini 2.5; results adopted as core evaluation suites for enterprise clients.
- Promoted to reviewer lead for LATAM, mentoring contributors and coordinating weekly quality reviews under tight SLAs.

### DATAPATH.ai (AI Chain) – Tech Lead (Full-Stack & AI)

Jul 2024 - Oct 2024

- Led architecture of landing site, app dashboard, payments, streaming classroom and AI assistants (reuse of Nubot agents for Q&A and quiz feedback).
- Managed one UX designer and contributed with PM; delivered MVP to 50 000 students in eight weeks with GitHub Actions, Cloud Run and Sentry.
- Implemented concurrent WebRTC calls, class recording, and course-recommendation engine backed by OpenAI embeddings.

### NUBOT.io (AI Chain) – Full-Stack & AI Engineer

May 2023 - Jul 2024

- Integrated custom LLM agents (LangChain, Qdrant) for skill extraction, profile ranking and conversation workflows.
- Implemented embedded chat bubbles and end-to-end chatbot provisioning for external sites.
- Created multichannel CRM: WhatsApp, Messenger, Instagram, email and web chat unified in one dashboard.
- Designed RAG pipeline (OpenAI embeddings + Qdrant) and intent-routing agent delivering sub-1 s replies.
- Embedded Stripe for in-chat payments, handled transactions with idempotent webhooks.

## EXPERIENCE

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### VENTOURY – Product Developer

Jul 2025 - Present

All-in-one SaaS (inventory, digital invoicing, site builder, AI insights) preparing for public launch.

- Solo-built React + NextJS front end, PostgreSQL + Redis backend, and financial reporting engine; currently onboarding pilot customers.

## EDUCATION

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### Universidad del Norte, Colombia

2022

B.Sc. Electronic Engineering

## SKILLS

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**Languages & Frameworks:** Python (FastAPI, Flask, asyncio), TypeScript / JavaScript, React & Next 14, basic Go

**AI & ML Tooling:** LangChain, Retrieval-Augmented Generation, embeddings, vector databases (Qdrant, Supabase Vec), prompt engineering, OpenAI / Anthropic / Gemini / Claude APIs

**Data & Storage:** PostgreSQL, MongoDB, Redis, BigQuery, Cloud Storage, SQL performance tuning, schema design

**Cloud & DevOps:** GCP (Cloud Run, Pub/Sub, Cloud Functions), AWS (Lambda, S3), Supabase + Supabase vecs, Docker, GitHub Actions, Terraform, CI/CD pipelines, blue-green deployments

**Testing & QA:** Pytest, Playwright, Cypress, Sentry tracing, contract tests, load-test scripting

**Product & Collaboration:** Multi-tenant SaaS architecture, REST & WebSocket APIs, Stripe and OAuth integrations, agile delivery, mentoring junior contributors, remote-first communication

## ADDITIONAL INFORMATION

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- GEOEXPO Awards: Honorable Mention 2022 and Innovation Winner 2023 (SIRIUS IoT Lab kit for low-cost physics experiments)
- Side venture: founder of Ventoury, an all-in-one SME platform (inventory, invoicing, AI insights) now entering private beta
- Volunteer mentor in LATAM Python and React communities; speak at local meet-ups on RAG patterns and vector search
- Spanish native, English C1; available full-time remote, overlap with US and EU time zones