Andrea Junes

Full-Stack Engineer | Python, React, LLM applications
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Summary

Full-stack engineer (Python/FastAPI, React/Angular) building LLM features that run in production. Background in QA: ships tests, output validation and a human fallback with every AI feature.

Technical Skills

Languages & frameworks: Python, TypeScript, SQL, Rust (Soroban); FastAPI, SQLAlchemy, React, Angular, Next.js
AI / LLM: LangGraph, RAG, pgvector, multi-agent systems, prompt-injection guardrails, output validation
Cloud & data: Google Cloud (Cloud Run, Pub/Sub, Cloud Scheduler, Cloud Trace), PostgreSQL, SQLite, Vercel, Git, CI
Testing & QA: Playwright, Vitest, axe-core, end-to-end testing, defect reporting and verification

Experience

Software Engineer, LLM Agents | *Remote* Jan 2026 – Oct 2026

- Designed and built a two-agent system that turns technical specifications into Jira tickets; a second agent picks up and evaluates each ticket on its own.
- Built the event-driven backend in Python and FastAPI on Google Pub/Sub; workers subscribe to topics, and deduplication ensures each specification is processed exactly once.
- Deployed the stack on Google Cloud: Cloud Run services, Cloud Scheduler jobs, PostgreSQL, and Cloud Trace for distributed tracing across the agent pipeline.

Software Engineer, MindDev Perú | *Remote* Jun 2025 – Nov 2025

- Built the company blog from scratch with React and TypeScript.
- Developed a landing page for a real-estate client.

QA Analyst, Gearthlogic | *Remote* Jan 2025 – Sep 2025

- Tested the full web application end to end through the UI, reported defects and verified fixes before sign-off.
- Coordinated deliveries between clients and the development team.

Projects

Zipshield | *FastAPI, SQLAlchemy, PostgreSQL, Angular, OpenRouter* Demo | Code

- Insurance claims platform where a vision model reviews photo evidence before a human does; placed #4 of 1,771 at HackerRank Orchestrate, then extended it with a Decimal-exact pricing engine and an Angular frontend.
- Kept the model from deciding alone: layered prompt-injection guard, strict output validation and fallback to manual review; 32 role-checked endpoints, 92 backend tests (83% coverage), CI on every push.

Interview Simulator | *FastAPI, LangGraph, pgvector, React, Playwright* Code

- Turns a job posting and a CV into a voice mock interview with scored feedback, at about $0.60 per interview.
- Built a staged LangGraph pipeline with RAG over 45 cited sources; scores each answer against anchored rubrics, quoting the candidate's own words.
- Shipped a React 19 frontend with 11 screens checked for WCAG 2.2 AA (Playwright, axe-core); audio is transcribed locally and never leaves the machine.

mini-redis | *Python (stdlib only), RESP, TCP* Code

- Redis-compatible server from scratch: about 380k req/s with pipelining, AOF persistence with crash recovery, and TTLs that survive restarts; benchmarked against Redis 8.10 and documented where Redis is 3–5x faster and why.

Brújula (team project) | *Next.js, FastAPI, Soroban (Rust), x402* Demo | Code

- Marketplace for AI agents where payment is held on-chain until the output passes a check; won a Stellar Community Fund Instaward.
- Built the Next.js web app, the project-planning agent and the evidence contract that gates settlement; hardened x402 payments and wallet signatures.

FX Checker | *React, TypeScript, Vite, Vitest* Demo | Code

- Won 1st place at the Frontend Mentor FM30 hackathon: live ECB rates for 30 currencies, hand-built SVG chart, 74 tests.

Education

Associate Degree in Web Development, Universidad Nacional de Entre Ríos (UNER), Argentina Expected Dec 2026