

# Andrea Judith Junes

+54 9 376 504 3576 | andreajudithjunes@gmail.com | linkedin.com/in/andrea-junes | github.com/AndJunes

## SUMMARY

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Full-stack developer working in TypeScript, Python, and Go. I build production web systems and developer tools with NestJS, Angular, and Next.js, and I write tests for the code I ship. Most interested in backend systems at scale, search and information retrieval, and developer infrastructure.

## TECHNICAL SKILLS

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**Languages:** TypeScript, JavaScript, Python, Go, Rust, SQL

**Frameworks:** NestJS, Angular, Next.js, React, Express, Node.js

**ORMs:** Prisma, TypeORM, SQLAlchemy

**Databases:** PostgreSQL, MongoDB

**Testing:** Jest, pytest, unittest, Selenium, TDD

**Infrastructure:** Docker, Nginx, PM2, Linux, Git, CI/CD

**Cloud:** AWS, Cloudflare (R2, Pages, Workers), Vercel, Render

**APIs and Auth:** REST, JWT, OAuth

**Practices:** Code Review, Agile

## EDUCATION

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**Universidad Nacional de Entre Ríos (UNER) | Mar 2024 – Dec 2026 (expected)**

Higher Technical Degree in Web Development (3-year program)

GPA: **8.80 / 10.00** · 71% completed

## LANGUAGES

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Spanish (native), English (professional working proficiency)

## EXPERIENCE

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### Minddev · Front-end Developer

Remote · Jul 2025 – Dec 2025

- Sole owner of the company landing page, from visual design through implementation in React with TypeScript.
- Designed the layout and color system, then built every section directly into components.
- Extracted shared UI patterns (buttons, forms, modals) into a small reusable component library used across the site.

**Stack:** TypeScript, React, JavaScript, CSS3, Git, Figma.

### Gearthlogic · QA Engineer

Remote · Jun 2025 – Oct 2025

- Acted as the primary communication channel between the engineering team and international clients, communicating technical progress and aligning expectations.
- Tracked open tasks per engineer in Trello, ran weekly status syncs with the team, and kept clients updated on what was shipping each sprint.
- Designed manual test cases covering positive, negative, and edge-case scenarios for new features before they shipped.
- Wrote automated tests in Selenium for the main user flows, which ran against staging and caught regressions that manual testing was missing.
- Filed bug reports with reproduction steps, environment details, and severity.

**Stack:** Selenium, JavaScript, Manual and E2E Testing, Trello.

## SELECTED PROJECTS

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### Atlas · Project Management Platform · 2026

Software Engineer (Lead Backend + Full-Stack) · Final Capstone Project

- Designed and implemented a full-stack project management system: NestJS 11 + Angular 21 + PostgreSQL 15 + Nginx + PM2 cluster. **41 REST endpoints, 7 entities, ~17K lines of TypeScript.**
- Built an audit log capturing field-level diffs (who changed what, when) across all entities, with paginated history views per record.
- Implemented a kanban board with drag-and-drop using Angular CDK, optimistic UI updates with automatic rollback on backend failure.
- Hardened authentication: JWT in `sessionStorage` only (no `localStorage` to mitigate XSS), `GET /auth/me` hydration on boot, automatic logout on 401.
- Developed a pluggable storage abstraction (local FS or Cloudflare R2) for avatar uploads, with Sharp re-encoding to WebP at 256x256.
- Server-side pagination, sortable columns, and case-insensitive search across clients, projects, and tasks.
- Wrote **321 tests with TDD methodology (128 backend + 193 frontend)**, full TypeScript strict mode.
- Deployed to Render + Cloudflare Pages + Supabase free tier (\$0/month).

**Stack:** TypeScript, NestJS, TypeORM, Angular, Angular CDK, PostgreSQL, Docker, Nginx, PM2, Cloudflare R2, JWT, Jest.

**Live:** atlas-frontend-als.pages.dev · **Repo:** github.com/AndJunes/TPF-Des-App-Web

### Brújula · Trustless Payment Layer for Remote Work · 2025 – 2026

Software Engineer (Full-Stack)

- Built a fintech platform where freelancer payments sit in USDC escrow on the Stellar network until the client approves the work.
- Designed the UX so clients can fund and release escrow with their Freighter wallet without needing to understand the underlying smart contracts.
- Architected the payment workflow integrating Stellar SDK and the Trustless Work escrow API, serverless backend on Neon (PostgreSQL).

**Stack:** Next.js, React, TypeScript, TailwindCSS, Prisma, Neon, Stellar SDK, USDC, Trustless Work API.

**Live:** brujula-dev.vercel.app · **Repo:** github.com/AndJunes/brujulaDev

### Kurai · Search Engine with Multi-Signal Re-ranking · 2025 – 2026

Contributing Engineer · Private repository

- Co-developed a metasearch service in Go that wraps SearXNG and re-ranks results using **Reciprocal Rank Fusion** across multiple signals: domain authority, query coverage, NLP entity recognition, and content-farm detection.
- Helped design diversity enforcement to deduplicate domains in the result set, and synonym expansion via query understanding modules.

**Stack:** Go, BLAKE3 auth, Tranco rankings, SearXNG.

### mcp-compose · Polyglot AI Tool Orchestrator · 2025 – 2026

Contributing Engineer · Private repository

- Co-developed a Go orchestrator for AI tools written across Python, Go, Node.js, and Rust, where each tool runs as a managed subprocess ("pod") exposed through the Model Context Protocol.
- Contributed to subprocess lifecycle management, health checks, and inter-tool routing via a custom RPC method that avoids round-trips through the LLM.

**Stack:** Go, Docker SDK, OpenTelemetry, stdio + SSE + REST transports.

## ACHIEVEMENTS

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### 1st place, Celo Blockchain Hackathon · Jan 2026

Built **Chanchis**, a unified reward wallet that helps users save money on top of everyday purchases. Selected over the rest of the cohort by the judging panel.