

Martín Franco Toledo

Systems Engineer · Technical Lead · Full Stack

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SUMMARY

Systems Engineer and full stack developer with 4+ years building mobility and public transport solutions in Córdoba, Argentina: taxi apps, public bike sharing and city services. I was the first developer on my team and now lead it technically, in a team of 4.

I cover the full cycle: client discovery, database design, web and mobile development, and deployment with Docker and CI/CD on self-hosted infrastructure. Strong experience with maps and geolocation using self-hosted services (Traccar, Nominatim, GraphHopper).

EXPERIENCE

Technical Lead & Full Stack Developer — Micronauta (Globalvisum)

Jul 2022 – Present

- Joined as the only developer; the team grew to 4 and I now lead it technically, with context across every project.
- I start new projects, take them to an advanced stage, hand them over for maintenance and keep leading their evolution.
- Main technical contact for management and clients: I demo products, define scope, defend proposals and negotiate integrations.
- Migrated the driver app from a hybrid web app to React Native with native hardware access: lower RAM usage and a faster app. Live with Rapitaxi (~500 drivers) and rolling out in San Juan.
- Led the team's mobile evolution from PWAs to Capacitor, then React Native. I publish and maintain apps on Google Play, and built the taxi app for iOS with Capacitor and Codemagic.
- Design project databases and optimize performance-critical queries.
- Integrated Mercado Pago payments, VEDI services and Córdoba City Hall systems over VPN.
- Set up self-hosted GitLab with CI/CD, registry and runners, and dockerized every application for tag-based deploys with rollback.
- Lead the server and security monitoring project (Prometheus, Grafana, Alertmanager, n8n).
- Trained new hires and other departments in Git, Jira and Docker for ISO certification.

Web & Systems Developer (freelance) — Córdoba Swimming Federation

2020 – Present

- Built and maintain fcn.pages.dev, with continuous deployment from GitHub to Cloudflare Pages, and manage systems for swimming events.

SELECTED PROJECTS

Entaxi. Multi-brand taxi platform with taximeter mode (cbataxi.com). React Native + TypeScript app, Traccar, Firebase, offline SQLite, Sentry.

Tu Libreta Digital. Córdoba City Hall application. Full stack development.

SaldoBus. NFC transit card top-up (MIFARE). React Native, Node/TypeScript API with JWT and AES-256.

BiciCba. Córdoba's public bike sharing: over 313,000 trips and 129,000 registered users since launch. Full stack development of the site, admin dashboards and reports.

Taxi driver registry. Taxi driver registration with City Hall. PHP and MySQL.

TuBondi. Full rebrand of the public transport app.

TECHNICAL SKILLS

Languages	JavaScript, TypeScript, PHP, SQL, Python, C#, Kotlin (basic)
Mobile	React Native, Capacitor, PWA, Firebase, Google Play, iOS (Codemagic)
Frontend	React, Next.js, Vite, Tailwind CSS, Three.js
Backend	Node.js, Express, PHP, WebSockets, REST APIs, JWT, Mercado Pago
Data	MySQL, PostgreSQL, SQLite; data modeling and query optimization
Maps & GPS	Traccar, Nominatim, GraphHopper, OpenLayers, MapLibre
DevOps	Docker, GitLab CI/CD (self-hosted), Traefik, Linux, VPN, Prometheus, Grafana, Sentry
AI & practices	Claude, n8n, Git, Jira, team training

EDUCATION

Systems Engineering (Ingeniería en Sistemas de Información)
National Technological University (UTN), Córdoba
2018 – 2024

LANGUAGES

Spanish: native
English: intermediate (fluent technical reading and writing)

TALKS

Del hardware a la nube (From hardware to the cloud): the engineering behind smart mobility. TECOM, in Spanish. Real-time processing of TCP connections and GPS data from bus fleets.