RESUME & PORTFOLIO

Leonardo A. Chocrón

Software engineering and technology leadership for public services, data and automation.



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I'm Leonardo Chocrón, also known as Cheycron. My work began in IT support and infrastructure, expanded into software and data, and grew into technology leadership. I'm interested in understanding how an organization works and building tools its teams can use and maintain.

CURRENT ROLES

CTO and technical lead
Ojos en Alerta
SINCE 2022

Chief of Staff, Modernization
San Miguel city government
SINCE 2022

Director General de Transformación Digital
San Miguel city government
CONCURRENT ROLE

SELECTED CASE STUDIES

Ojos en Alerta
2022 · Ojos en Alerta

A citizen-participation network for public safety: residents report what they see on WhatsApp and the city acts on every alert.

Nexo OS
2026 · Ojos en Alerta

The Ojos en Alerta console: a live map to follow events, assign vehicles and see where activity is concentrated.

San Miguel Digital
2026 · Municipalidad de San Miguel

The city's digital ecosystem: a single identity to enter the portals where people pay, file procedures, book appointments, work and buy, and also from each resident's chatbot.

Ojos que Cuidan
2026

A channel for students, teachers and families to raise a concern, so the school can support them.

Flatcap
2025

A visual system for long hours at a screen, in two modes, and its adaptations to the tools I use every day.

2048, audiovisual edition
2026

2048 with sound, particles and glow: every move can be heard and seen.

All 22 projects, with images and detail, at **cheycron.com/en**

CAREER

Chief Technology Officer
2022 – present

Ojos en Alerta

Technology leadership at Ojos en Alerta. A citizen-participation network for public safety: residents report what they see on WhatsApp and the city acts on every alert.

WHAT I WORK WITH

Product and leadership

Technical leadership · Functional analysis · Digital service design · Product planning · Digital transformation · Coordination of vendors and business areas

Architecture and integration

Solution architecture · API design and integration · REST · Interoperability · Digital identity and centralized authentication · OAuth 2.0 / OpenID Connect · MCP · Webhooks · Laravel Reverb · MQTT · Kafka

Backend and databases

PHP · Laravel · Horizon and queues · Node.js · Python · Rust · PostgreSQL · MySQL · SQL · Redis · MongoDB · Automated testing · Symfony · CodeIgniter

Chief of Staff
2022 – present

San Miguel city government · Department of innovation

Coordination across software, infrastructure, operations, support, data and engineering teams in the Modernization department.

Concurrent role: Director General de Transformación Digital.

Chief Technology Officer
2023 – 2024

Qivli LLC

As CTO, I worked on technology infrastructure, planning and technology selection for the platform.

Data Engineer
2023

Pilar city government · Department of health

Development of healthcare management dashboards to organize indicators and support institutional analysis.

Innovation Manager
2019 – 2022

San Miguel city government · Department of security & innovation

As Innovation Manager, I spearheaded the strategic planning and execution of a comprehensive technology deployment program for the security forces. This program has significantly bolstered the security forces technological capabilities, resulting in enhanced operational efficiency, improved officer safety, and a more secure community.

Data Engineer
2020 – 2021

Buenos Aires province government · Health Region XII

Work on data preparation and indicators during the COVID-19 pandemic.

Managing Partner
2017 – 2018

CM-S Consulting · Medical and health company

We were a consulting firm specialized in providing technological and medical advisory services to healthcare centers, clinics, and hospitals in the province of Buenos Aires. Our mission was to empower healthcare organizations with innovative solutions that optimized their operations, improved patient care, and enhanced overall efficiency.

Chief Coordinator
2009 – 2016

San Miguel city government · Department of health

As a team lead, I supervised a team of 5 support technicians, providing technical support services to 3 hospitals and 20 primary healthcare centers. Our responsibilities included not only troubleshooting and resolving technical issues, but also performing data analysis and conducting surveys to assess the healthcare delivery across the district. This experience allowed me to take my first steps in developing business intelligence solutions, leveraging data to drive proactive initiatives and optimize healthcare operations.

Developer
2015

San Miguel city government · Department of innovation

I developed Swingfire, a next-generation, real-time crime center platform designed for multi-jurisdictional deployment. It fosters comprehensive situational awareness through advanced data analytics and real-time monitoring, empowering law enforcement with data-driven resource allocation strategies. Swingfire equips patrol vehicles with mobile data terminals, granting officers immediate access to the system for real-time crime updates, geospatial crime trend analysis, and integrated criminal history database searches. This comprehensive approach enhances officer safety, optimizes response times, and facilitates proactive crime prevention initiatives.

Frontend, interfaces and design

React · Next.js · TypeScript · JavaScript · Tailwind CSS · MapLibre and 3D maps · Cartographic interfaces · Interaction design · Visual themes and token systems · Design systems · HTML · CSS · Sass · Angular · Twig

Mobile and cross-platform

Kotlin · Jetpack Compose · Android · Flutter

Data and BI

Grafana · Apache Airflow · Apache Spark · ETL · Indicator modeling · Data visualization · Maps and geospatial data · Data warehousing · InfluxDB · Indicators and dashboards · Data quality and preparation · IBM SPSS · Cassandra

AI and automation

Model integration · Agents and tools · Multi-agent orchestration · OpenClaw · AI-assisted development · Conversational chatbots · MCP · Process automation

Infrastructure and operations

Linux · Docker · Docker Compose · Containers and self-hosted services · Server administration · Cloudflare · Git · CI/CD · Networking · Kubernetes · AWS · Bash · Jenkins · Windows · Microsoft 365

Maker and 3D

Keyboard firmware (QMK, ZMK) · LVGL · ESP32 / Arduino · Raspberry Pi · Hass.io · 3D printing · SketchUp · Lumion

Competencies

Team leadership · Communication · Collaboration · Negotiation · Emotional intelligence · Strategic thinking · Adaptability · Teamwork · Time management · Problem-solving · Lifelong learning

IT Support Chief
2009 – 2015

Raúl F. Larcade hospital · IT and Systems Service

Led a team of 3 technical support specialists in providing comprehensive IT support services to the entire hospital, including both medical and administrative users. Our team's responsibilities encompassed a wide range of tasks, from hardware troubleshooting and repair to software support for the electronic health record system. We worked closely with hospital staff to ensure optimal system uptime and user satisfaction, contributing to the smooth operation of the hospital's critical healthcare infrastructure.

Chief Coordinator
2013

Raúl F. Larcade hospital · Statistics Department

Served as a temporary coordinator for the hospital's statistics department, where I was responsible for conducting censuses and compiling statistics on both inpatients and outpatients. Additionally, I managed the administrative tasks of the appointment centers, the medical records archive, and the administrative procedures for deceased patients.

IT Support
2005 – 2009

Raúl F. Larcade hospital · Statistics Department

Provided comprehensive technical support to the entire hospital, encompassing both medical and administrative users. Expertise ranged from hardware troubleshooting to software support for the electronic health record system. Demonstrated proficiency in resolving complex technical issues in a timely and efficient manner, ensuring optimal system uptime and uninterrupted workflow for healthcare professionals.

Developer & Webmaster
1999 – 2007

San Miguel Delivery

In the early 2000s, before the widespread adoption of smartphones, I played a key role in developing and managing sanmigueldelivery.com.ar (now defunct). This innovative platform leveraged WAP technology, the precursor to mobile internet, to connect local businesses with residents in San Miguel, Argentina. The platform enabled users to quickly and easily contact businesses, fostering local commerce and community engagement. Additionally, it featured forums for neighborhood and school discussions, further strengthening community ties.

EDUCATION

Studies

B.S. in Information Systems
Universidad de General Sarmiento · 2015

Bachelor of Economics and Business Management
Instituto Alejandro Bunge · 2005

Electronic Technician
Escuela Técnica ETT nº 22 - Hurlingham · 2003

Languages

Spanish · English

Courses and certifications

Microsoft Azure Fundamentals
Microsoft · 2024

AWS Cloud Practitioner
Amazon Web Services (AWS) · 2023

Ontological Coach
International Coach Federation - AXON Training S.A. · 2015

Unix/Linux Network Administrator
IBM Training Center S.A. · 2008

Windows NT Network Administrator
IBM Training Center S.A. · 2007

BOOK

El Hilo Rojo: Una historia Sefardi
Ebook in Spanish · October 2025