

# Faustino Durán

Full-Stack Developer · Advanced Systems Engineering Student

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## PROFESSIONAL PROFILE

Systems Engineering student (UTN – 4th year, GPA 7.95/10) with hands-on experience designing and deploying full-stack web solutions for real businesses. I have led end-to-end projects covering REST APIs, relational databases, React interfaces, and cloud automation. Passionate about backend development, system architecture, and leveraging technology to optimise business processes.

## SOFTWARE PROJECTS

### Machinery & Vehicle Rental Management Platform

Designed and implemented a full-stack web platform to digitise client management, inventory, and rental contracts for a machinery and transport company.

- Built a REST API with Node.js, Express, and TypeScript following clean architecture principles.
- Modelled a relational database with PostgreSQL and Prisma ORM.
- Developed the web interface with React and Next.js, including Firebase authentication.
- Integrated cloud image storage via the Cloudinary API.
- Containerised the application with Docker and deployed to production using Nginx.

Stack: TypeScript · Node.js · Express · React · Next.js · PostgreSQL · Prisma ORM · Firebase · Cloudinary · Docker · Nginx

### Field-Service Traceability System (Portable Sanitation)

Developed a digital platform to manage and monitor field service operations using QR codes and geolocation, improving task traceability for on-site teams.

- Implemented QR-based cleaning logs capturing location and timestamp.
- Designed a role-based access system for supervisors, operators, and clients.
- Built real-time status visualisation for each service unit.
- Implemented offline mode with deferred synchronisation for connectivity-free environments.

Stack: TypeScript · Supabase · HTML · CSS · QR Scanning · Geolocation API

### Automated Alert System for Operational Management

Built a serverless monitoring and notification system to track expirations, maintenance schedules, and documentation for a transport and equipment rental company.

- Implemented monitoring logic with Python and Google Cloud Functions.
- Integrated Google Sheets API to process data from multiple sources.
- Generated automatic email alerts with configurable time thresholds.
- Managed credentials securely using Google Secret Manager.

Stack: Python · Google Cloud Functions · Pandas · Google Sheets API · SMTP

## TECHNICAL SKILLS

Languages	TypeScript · JavaScript · Python · SQL
Frontend	React · Next.js · HTML · CSS · CSS Modules
Backend	Node.js · Express · REST APIs
Databases	PostgreSQL · Supabase · Prisma ORM
Cloud & DevOps	Docker · Nginx · Google Cloud Functions
Tools	Git · Firebase · Cloudinary · Google Secret Manager

## EDUCATION

### Systems Engineering | 4th year (in progress)

Universidad Tecnológica Nacional – Regional Faculty San Rafael · 2022 – Present

GPA: 7.95 / 10 · All subjects through 3rd year completed

## LANGUAGES

Spanish – Native

