DANILO MACCARI

Full Stack Developer | Django · Ruby on Rails 8 · Next.js | Government-Scale Systems | Kubernetes / OKD | HealthTech MVP

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PROFESSIONAL SUMMARY

Full Stack Developer with experience in **mission-critical production systems**. I was the sole developer in charge of IPS RUPA, a provincial government platform (Django + Next.js + PostgreSQL) **with millions of records of members, employers, and salaries**. I managed all stages: REST API, frontend migration, adaptation to a rigid legacy schema (Adabas D → PostgreSQL), integration of over 90 GB of data using **Celery and Streaming,** and deployment on **Kubernetes (OKD/OpenShift)** coordinated with DevOps. In parallel, I developed **DocSync**, a clinic management SaaS built on **Rails 8, React Native, Stripe, and the Claude API.** It features clean code, security, and continuous delivery.

TECHNICAL SKILLS

Languages: Python, Ruby, JavaScript, TypeScript
Frameworks: Django / DRF, Ruby on Rails 8, Next.js 14, React, React Native (Expo)
Databases: PostgreSQL (Advanced), Adabas D (Legacy — Integration), MySQL, MongoDB
Auth & Security: Keycloak, RBAC, OAuth2, JWT, Rack::Attack, Devise, Audit Logging
DevOps & Cloud: Docker, Kubernetes (OKD/OpenShift), ArgoCD, GitLab CI/CD, MinIO, Render, Cloudinary
Tools: Git, Stripe API, ActionCable (WebSockets), Celery, Redis, SolidCable/Cache, Claude API

PROFESSIONAL EXPERIENCE

Full Stack Developer | SOWTIC — IPS RUPA (Government Sector) May 2025 – Dec. 2025
Sole developer in charge of the system · Remote contract · Buenos Aires, Argentina

- **Complete REST API (Django DRF + PostgreSQL):** I designed and implemented all endpoints with multi-level RBAC (admin, internal, employer), role-based filtering, efficient pagination across millions of records, and bulk data export via MinIO.
- **Adaptation to a fixed legacy schema:** The original database (Adabas D) was migrated to PostgreSQL by the DBA team with a fixed and immutable schema. With 9 of 14 user stories already implemented on the local database, I adapted all development to the final schema once it became available.
- **Integration of over 90 GB of data into production:** Upon incorporation of the actual volume (millions of records of employers, affiliates, employment relationships, and salaries), I implemented Celery for asynchronous processing and HTTP response streaming to ensure stability under load.
- **Frontend Migration to Next.js 14:** I migrated the entire frontend from Django/Bootstrap templates to Next.js 14 (App Router) using Tailwind CSS, Shadcn/UI, Keycloak via next-auth, and Zustand. Significant improvements were achieved in performance, UX, and maintainability.
- **Deployment & DevOps:** I managed my own environment on OKD/OpenShift with Docker, GitLab CI/CD, and ArgoCD, coordinating with the DevOps team and DBAs throughout the project.
- **Deliverables:** 14 user stories + multiple additional client requirements delivered 100% on time.

Full Stack Developer (Freelance / Contract) | Previous Roles 2021 – 2025

MecanTronic · Thaskify · Toyoko LLC · Unión Informática (Instructor) · INITI (Tutor/Supervisor) · anatod (QA/UX)

- **MecanTronic (Nov 2024 – Mar 2025):** 82 deliveries on a React/Redux/MaterialUI project. Feature 'monthly rates' implemented independently within an Agile team.
- **Toyoko LLC — Frontend (Dec 2021 – Feb 2022):** UI improvements for a biotechnology website for a client in Berkeley, CA. Remote work for a US client.
- **Teaching (2023):** Data Analysis with Python and Machine Learning at Google Colab — Unión Informática (2 courses, remote format).

FEATURED PROJECTS

DocSync | Comprehensive Clinic Management SaaS (Personal Project) Mar. 2025 – Present
Ruby on Rails 8 · React Native (Expo) · PostgreSQL · Stripe · Redis · ActionCable · Claude API

- **Healthcare ERP:** Multi-user system for clinics with appointment scheduling, professional, administrative, and patient management. Differentiated roles (admin, professional, administrative, patient) with RBAC and security auditing.
- **Electronic Health Records (EHRs):** Full CRUD functionality with patient progress notes, individual and multiple PDF downloads (Prawn). Differentiated access by role; read-only for patients, full management for staff.
- **Production-ready security:** JWT (access 15 min + refresh 7 days), blacklist via Solid Cache, rate limiting (Rack::Attack), HTML sanitization, audit logging, and test coverage in API models and controllers.
- **Real-time, payments, and AI:** Patient-secretary chat with ActionCable, push notifications, and Stripe payments (web + mobile). FAQ Bot integrated with Claude API (Anthropic), ready to evolve into an AI agent.
- **React Native mobile app:** Complementary app with JWT + Google Sign-In authentication, HCE, real-time chat, and native Stripe payments.

EDUCATION AND LANGUAGES

- **Advanced Technician in Computing:** Prudencio Cornejo Higher School of Commerce, Bahía Blanca (2015–2021)
- **Full Stack Web Development:** Henry Bootcamp — Official Certification
- **Languages:** Spanish (Native) · English B1+