

MARTIN PACHECO

Full Stack Developer (Backend Focus)

 Lanús, Buenos Aires, Argentina

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 martin-pacheco.vercel.app

PROFESSIONAL SUMMARY

Full Stack Developer with 14+ years of software engineering experience building mission-critical systems in the public sector, now specialized in modern web development with strong backend focus. Proven track record of architecting solutions from scratch, maintaining large-scale applications, and delivering production-ready software. Recently transitioned to modern tech stack (React, Node.js, Express, Python, Django) with deployed applications demonstrating full-cycle development capabilities.

Core Strengths: RESTful API design • System integration • Production deployment • Technical problem-solving

TECHNICAL SKILLS

Backend (Preferred):	Node.js, Express, Python, Django, RESTful APIs, JWT Authentication
Frontend:	React, Javascript, Typescript, HTML5, CSS3, Tailwind CSS, Bootstrap
Databases:	MongoDB, SQLite, Firestore
DevOps & Tools:	Git, GitHub Actions, CI/CD, Firebase, Vercel, Railway, Netlify
Professional Exp:	VB.NET (10+ years), Windows Forms, System Architecture

PROFESSIONAL EXPERIENCE

Software Developer | ENACOM (National Entity of Communications)
Buenos Aires, Argentina

September 2010 - Present

Developed and maintained critical telecommunications software for Argentina's national regulatory agency, focusing on RF spectrum management and measurement systems.

Key Achievements:

► AutoMap RNI - Non-Ionizing Radiation Mapping System (2015-2020)

Nationwide Non-Ionizing Radiation mapping system used by regulatory personnel across Argentina. Engineered real-time GPS integration with measurement instruments, **reducing data collection time by 60%**. The system currently manages **10+ million measurement points**.

Technical Implementation:

- Built with VB.NET and Windows Forms
- Real-time GPS device and NIR meter integration
- Measurement and information gathering systems adhering to ITU-R K.113 international standards
- Sole developer responsible for architecture and maintenance
- Currently in production nationwide

Impact: System enables regulatory compliance monitoring across Argentina, ensuring public safety standards for RF emissions

GitHub: github.com/martinlpc/automaprni

► Built laboratory certification system (2012 - 2014)

Developed ISO 9001-compliant software for spectrum analyzer certification, streamlining evaluation processes for newly acquired instruments and **reducing certification time from weeks to days**.

► Self-directed web development transition (2022-2024)

Independently completed comprehensive full-stack training while maintaining full-time position. Deployed 2 production-grade applications (TaskFlow, Oesis) **demonstrating rapid skill acquisition and self-management capabilities**.

PERSONAL PROJECTS

TaskFlow - Task Management Platform

 taskflow-mp.vercel.app |  github.com/martinlpc/taskflow

Tech Stack: React, Node.js, Express, MongoDB, JWT, Tailwind CSS, Vite, CI/CD

Full-stack task management application helping freelancers organize projects efficiently. Built to demonstrate production ready MERN stack development with authentication, state management and deployment best practices.

Technical Highlights:

- Implemented secure RESTful API with JWT-based authentication and role-based authorization
- Designed optimized MongoDB schema with indexed queries for performance
- Built responsive React frontend with real-time state management and form validation
- Deployed with automated CI/CD pipeline using GitHub Actions, branching and Vercel

Oesis - Band Landing Page

 oeisis.netlify.app |  github.com/martinlpc/oeisis-website

Tech Stack: React, Typescript, Firebase, Tailwind CSS, Vite, CI/CD, GitHub Actions

Production landing page for Argentina's Oasis tribute band with +10k followers and 1000+ monthly visitors

Technical Highlights:

- Implemented SPA site with React and lazy loading for optimal performance and real-time updates
- Integrated Firebase with authenticated Admin panel for real-time updates and changes
- Set up automated deployment pipeline with zero downtime releases

EDUCATION

Python Developer | Coderhouse | 2024

Full Stack Developer | Coderhouse | 2023

Information Systems Analyst | John F. Kennedy Argentine University| Graduated

Electronics Technician | EET N°9 de Lanús | Graduated

ADDITIONAL SKILLS

API Design:	RESTful principles, Swagger documentation, versioning strategies
Database Design:	Schema optimization, indexing
Authentication & Security:	JWT, OAuth, Passport, password hashing, CORS, input validation
Version Control:	Git workflows, branching strategies, code review
Problem Solving:	Debugging systems, performance optimization, system architecture
Testing:	Jest, Unit Testing, Integration Testing

LANGUAGES

English: C2 Proficient Level (EF SET Certified)

Spanish: Native