

# MARTIN PACHECO

## Full Stack Developer (Backend Focus)

📍 Lanús, Buenos Aires, Argentina

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### 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

<b>Backend (Preferred):</b>	Node.js, Express, Python, Django, RESTful APIs, JWT Authentication
<b>Frontend:</b>	React, Javascript, Typescript, HTML5, CSS3, Tailwind CSS, Bootstrap
<b>Databases:</b>	MongoDB, SQLite, Firestore
<b>DevOps &amp; Tools:</b>	Git, GitHub Actions, CI/CD, Firebase, Vercel, Railway, Netlify
<b>Professional Exp:</b>	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](https://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, Oeisis) **demonstrating rapid skill acquisition and self-management capabilities**.

## PERSONAL PROJECTS

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### TaskFlow - Task Management Platform

[taskflow-mp.vercel.app](https://taskflow-mp.vercel.app) | [github.com/martinlpc/taskflow](https://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

### Oeisis - Band Landing Page

[oeisis.netlify.app](https://oeisis.netlify.app) | [github.com/martinlpc/oeisis-website](https://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

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**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

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

## LANGUAGES

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**English:** C2 Proficient Level (EF SET Certified)      **Spanish:** Native