Juan Manuel Fernández Cozzuol

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PROFESSIONAL SUMMARY
Full Stack Engineer with 4+ years of experience in high-impact software development and cloud infrastructure. Specialist in building scalable ERP/CRM systems and automating complex data workflows. Expert in modernizing legacy environments using Docker and AWS. Proven track record of bridging the gap between hardware engineering and software solutions.

TECHNICAL SKILLS
- Languages: PHP (Modern/Composer), JavaScript (ES6+), Node.js, Python (Scripting & Automation), C++, SQL.
- Frameworks/Libraries: React.js, Express, Electron.js, MERN Stack.
- Cloud & DevOps: AWS (EC2, S3, VPC), Docker, Docker-Compose, Nginx, Linux (Debian/Ubuntu).
- Databases: MySQL, MongoDB.
- Tools: Git, REST APIs, Notion API Automation.

WORK EXPERIENCE
Afer IT | Full Stack Developer & Cloud Infrastructure Oct 2024 – Present
- Architected and developed custom ERP/CRM solutions using PHP and Python, optimizing backend logic for complex business requirements.
- Engineered cross-language data pipelines (PHP/Python) to automate the processing and decryption of secured financial datasets.
- Modernized deployment workflows by containerizing applications with Docker, ensuring consistency across development and production environments.
- Managed Cloud Infrastructure on AWS, configuring EC2 instances and Nginx reverse proxies for secure and scalable system hosting.

Newsan | Ssr Software Developer (Engineering Dept.) Dec 2021 – Oct 2024
- Developed a specialized automated testing suite for notebooks using Node.js, React, and Electron.js, integrated with MongoDB, standardizing hardware verification for production lines.
- Built custom automation tools using JavaScript and Notion API to centralize engineering project databases and KPIs.
- Designed and maintained production-grade desktop applications, reducing manual reporting errors by 50%.

Claro | Budget & Process Analyst (Engineering) Oct 2015 – Dec 2021
- Automated financial and operational reporting using custom scripts, transitioning departmental workflows from manual to data-driven processes.
- Managed large-scale budgets and process improvements for the Engineering areas.

EDUCATION
- Systems Analyst | ORT
- Electronic Engineering | UTN (4 years completed – Strong focus on low-level programming and circuit logic)
- Full Stack & Backend Certifications | CoderHouse (Node.js, React, JavaScript