

Catriel Bartezaghi

FULL STACK DEVELOPER | COMPUTER ENGINEER

Santa Fe, Argentina
(+54) 342 5281310
catriel.barte@gmail.com
linkedin.com/in/catrielbartezaghi/
github.com/catrielbartezaghi



PROFESSIONAL SUMMARY

Full Stack Developer and Computer Engineer with experience building business-critical web applications, internal tools, and corporate websites using PHP, Laravel, MySQL, WordPress, Docker, and modern full-stack technologies such as TypeScript, Next.js, Python, FastAPI, and PostgreSQL.

Specialized in translating complex business processes into reliable software solutions, with strong focus on SQL, data modeling, performance, maintainability, automated validation, and practical business value.

SKILLS

- **Backend & Data:** PHP, Laravel, Python, FastAPI, MySQL, PostgreSQL, REST APIs, SQLAlchemy, migrations
- **Frontend:** TypeScript, JavaScript, Next.js, React, Tailwind CSS, shadcn/ui, jQuery, Bootstrap, responsive design
- **Quality & Infrastructure:** PHPUnit, integration tests, GitLab CI/CD, Git, Docker, Linux
- **CMS & Integrations:** WordPress, SmartContent, Mustache, Twilio API, OpenAI API, technical SEO
- **Data & ML:** Python, PyTorch, scikit-learn, Transformers, STFT, OpenCV
- **Languages:** Spanish (Native), English (C1 - EF SET Certified)

EXPERIENCE

SERFE, Full Stack Developer

April 2025 – Present

- Developed and maintained business-critical PHP/MySQL applications and WordPress websites for external clients, covering operational systems, marketing pages, technical SEO, and maintainability.
- Designed and implemented modules for traceability, inventory management, recipes, production processes, stock transfers, and supply control in legacy systems, translating business requirements into technical solutions, including data modeling, migrations, testing, and technical documentation.
- Optimized internal reporting and dashboard views by designing database indexes and refining SQL queries for large datasets, improving response times and reducing resource usage in data-heavy views.
- Implemented automated validation workflows with GitLab CI/CD, PHPUnit, migration checks, and MySQL integration tests against production-like database snapshots, reducing integration errors before production deployments.
- Modernized legacy interfaces from Bootstrap 2 and jQuery 1.7 to Bootstrap 5 and jQuery 3.x, improving maintainability, user experience, and mobile compatibility.
- Collaborated with clients and stakeholders to gather requirements, clarify priorities, validate deliverables, and communicate technical progress during development.

CIPAX, Full Stack Developer

January 2024 – April 2025

- Engineered an accounting management system using Laravel 10, FilamentPHP, MySQL, and Docker, including accounting workflows, current accounts, and internal dashboards.
- Maintained and improved production systems built with Laravel, JavaScript/jQuery, Bootstrap, and MySQL, ensuring stability, usability, and continuous enhancement.
- Integrated Twilio and OpenAI APIs to record transactions via WhatsApp using natural language input, and developed an AI-assisted timeline module with caching to reduce API costs.

FEATURED PROJECTS

- **Personal Finance Platform (TallyNorth):** Full-stack personal finance app for cash flow projection, multi-currency accounts, recurring expenses, and credit card installment tracking. Built a responsive dashboard with Next.js 14, TypeScript, Tailwind CSS, and shadcn/ui, supported by a FastAPI REST API, SQLAlchemy and PostgreSQL.
- **Intelligent investment Decision System:** Development of a decision support system for the financial market using Machine Learning on time series data. Developed with Python, PyTorch, SQLite, and Docker.

EDUCATION

Bachelor's Degree in Computer Engineering

Universidad Nacional del Litoral - Santa Fe, Argentina