

FABIO ARIAS

Senior Full Stack Developer | React · Next.js · Node.js · TypeScript · AI

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PROFESSIONAL SUMMARY

Senior Full Stack Developer with 5+ years of experience building scalable web applications end to end. Specialized in the JavaScript/TypeScript ecosystem (React, Next.js, Node.js, NestJS, Angular) and PHP/Laravel, with hands-on experience integrating AI (LLMs, RAG, conversational agents) and Azure cloud services. Azure AI Engineer Associate certified. Proven ability to take products from idea to production independently and under tight deadlines.

PROFESSIONAL EXPERIENCE

Lead Technician / Tech Lead | Consultora Jurídica MF — Estudio Picallo y Asociados | *Dec 2025 – Jul 2026*

- Led the design and development of MF-CRM, an SPA management platform for the law firm, defining the project's architecture and technical standards.
- Built the application with React 18, TypeScript, Vite, and Supabase (PostgreSQL), applying a layered architecture (Repository → Service → Presentation) and scalable design patterns.
- Optimized data-grid performance for large datasets via row virtualization (TanStack Query/Table/Virtual), memoization, and progressive rendering, ensuring a smooth UX even on low-end hardware.

Expert Consultant | 4Latam — Buenos Aires (remote) | *Sept 2021 – Dec 2024*

- Provided technical and strategic consulting on software projects, ensuring quality, efficiency, and adherence to client standards.
- Ran code reviews and technical audits to keep codebases maintainable and scalable across multidisciplinary teams.
- Connected clients and developers on bids and freelance projects, overseeing deadlines and engineering best practices.

Adjunct Backend Development Tutor | CoderHouse — Buenos Aires | *Mar 2021 – Dec 2025*

- Led 20+ cohorts through intensive 6-month programs, achieving an 85% graduation rate.
- Taught professional backend development: Node.js, Express, authentication and security, unit testing, and REST APIs.
- Designed MongoDB and MySQL databases, optimizing queries and aggregations to improve performance by up to 40%.

Freelance Full Stack Developer | Independent — Formosa / Buenos Aires | *Jan 2020 – Present*

- Built custom CRMs, e-commerce platforms, and management systems for businesses and professional firms.
- Modern stack: Next.js, React, TypeScript, Node.js/NestJS, PostgreSQL/Supabase, AI integrations, and third-party APIs (WhatsApp Business, payment gateways).
- Ongoing technical support and maintenance of production applications.

FEATURED PROJECTS

MF-CRM — Consultoría Jurídica MF — Next.js, TypeScript, Tailwind, PostgreSQL

- Web-based labor severance and occupational-risk (ART) calculator for law firms, grounded in current 2026 Argentine regulations (Decreto 549/2025, Resolución SRT 15/2026).
- Freemium SaaS model with automated calculations and exportable results, aimed at labor-law firms.

Citronela — Botanical e-commerce — Next.js, TypeScript, PostgreSQL

- Online store for botanical products with catalog, cart, order management, and payment gateway.
- WhatsApp Business API integration for customer support and order tracking.

PlumaUy — Artisanal stationery e-commerce — Next.js, TypeScript, Tailwind

- E-commerce platform for an artisanal stationery brand, featuring product catalog, cart, and checkout.
- Responsive design focused on brand identity and conversion.

AACOP — Training Management System (UTN final project) — Laravel 12, Livewire 3, TailwindCSS, MySQL

- Final integrative project: platform for managing enrollments, attendance, grades, and automatic certification.
- Role-based access (Admin/Instructor/Participant), real-time metrics dashboard, and MVC architecture.

NeuroDesk — Microsoft Azure AI Hackathon — Azure OpenAI (GPT-4), Semantic Kernel, Cosmos DB

- Enterprise automation system with intelligent agents orchestrated via Azure OpenAI and Semantic Kernel.
- IT and HR workflows with RAG, sentiment analysis, and human escalation; built in 48 hours.

Airport Management Microservices — NestJS, TypeScript, RabbitMQ, Docker, PostgreSQL

- Distributed microservices architecture with asynchronous communication (API Gateway + RabbitMQ) and a dedicated database per service.
- Applied DDD, hexagonal architecture, and resilience patterns (retry, dead letter queues, circuit breaker).

EDUCATION

University Technical Degree in Programming — National Technological University (UTN), Resistencia
Resistencia, Argentina | 2022 – 2025 (Completed) · Final project: AACOP Training Management System

CERTIFICATIONS

- Microsoft Certified: Azure AI Engineer Associate

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, PHP, Python, SQL, C

Frontend: React, Next.js, Angular, Tailwind CSS, Livewire, Alpine.js, HTML/CSS

Backend: Node.js, NestJS, Express, Laravel, FastAPI, GraphQL, REST APIs

Databases: PostgreSQL, MySQL, MongoDB, Supabase, Firebase, Redis

Cloud & DevOps: Azure (OpenAI, Cosmos DB, AI Search, Blob Storage), Docker, Docker Compose, Kubernetes, CI/CD, Git, GitHub

AI / ML: LLMs, RAG, Semantic Kernel, Hugging Face, conversational agents, Whisper (STT/TTS)

Methodologies: Agile/Scrum, Microservices, Cloud-Native, Event-Driven, DDD

LANGUAGES

Spanish (native) · English (technical / intermediate)