



Daniel Garrido

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About Me

Full-stack software developer with **3+ years of experience** building innovative solutions that advance technology and make an impact.

Specialized in **design patterns and architecture**: designing scalable microservices, implementing clean architecture, domain-driven design, etc.

Expert in **AI development**: automation systems using AI frameworks, RAG systems, multimodal chatbots with LLM Tools, MCP servers, hosting own OS-LLMs, etc....

Proficient in modern tech stack: **JavaScript, TypeScript, React, Next.js, AWS, Azure AI Foundry** and more.

Passionate about building **end-to-end solutions** with robust architecture, ensuring scalability and maintainability from front to back.

Experience

InsudPharma, Senior AI FullStack Developer

Madrid, Spain (Hybrid)

Sept 2025 – present

9 months

- Provide full-stack development services to a major pharmaceutical company (Insud-Pharma)
- Built AI-powered tool that creates info websites (hosted on own file server) or presentations based on your own information or uploaded files, saving tons of hours of manual work to thousands of employees (including directors and managers).
- Collaborated into developing RAG (Retrieval-Augmented Generation) systems with Cohere Reranker and multimodal chatbots handling 1000+ daily queries with 95% accuracy
- Designed and implemented scalable microservices architecture following clean architecture and domain-driven design patterns
- Implemented CQRS pattern with Amazon EventBridge, SQS, and Redis, improving system throughput by 40%
- Reduced API response time by 50% through caching strategies with Redis and optimized database queries
- Developed frontend applications using Next.js, React.js, TypeScript, Tanstack Query, Zustand, and Tailwind CSS with 100% responsive design
- Implemented secure authentication systems using OAuth 2.0, Better Auth and Microsoft Entra ID, supporting 500+ concurrent users
- Applied TDD methodology achieving 85%+ code coverage with comprehensive unit and integration testing
- Deployed containerized applications with Docker on AWS and Azure, reducing deployment time by 60%
- Developed an automation app for day to day tasks of the company, including calls to LLMs and other APIs, improving productivity up to 20%.

Asiron Tech, FullStack Developer

Madrid, Spain (Remote)

Jan 2025 – Sept 2025

9 months

- Built complete web applications from the ground up using React.js and Express.js
- Developed modern, responsive frontend applications with React.js, Vite.js, TypeScript and TailwindCSS achieving 100% mobile compatibility
- Worked for a data center company serving 1000+ active users
- Built and maintained CI/CD pipelines using GitLab for automated testing and deployments
- Deployed backend and frontend apps to AWS EC2 and S3 with environment-based configurations
- Developed RESTful APIs with ExpressJS and NestJS using TypeScript, integrating MySQL and PostgreSQL databases
- Led task estimation and sprint planning; took on leadership duties including code reviews and team coordination
- Developed robust backend services using Express.js with 99.9% uptime
- Collaborated with 3+ team members using Git workflows and code reviews
- Developed 20+ new features across API, ERP, and web applications, increasing user productivity by 35%
- Optimized database queries with Prisma ORM and MySQL, reducing page load times by 45%

VASS, Backend Developer

Madrid, Spain (Remote)

Mar 2024 – Jan 2025

11 months

- Developed modern, responsive frontend applications with LESS, SCSS achieving 100% mobile compatibility
- Creation of custom technological solutions to meet the specific needs of renowned clients, including Vass, Repsol, Perfumerías Unidas, and Bella Aurora.
- Development of clean, efficient, and readable code for optimized pages, fast loading times, and improved user experience.
- Agile methodologies like SCRUM for development, promoting team collaboration and continuous integration, achieving quality solutions and quickly adapting to each project.
- Managed source code with Git and collaborated through GitHub with distributed teams
- Delivered all projects on time and within budget, maintaining 100% client satisfaction rate
- Achieved 99.8% uptime across all deployed applications through proactive monitoring and maintenance
- Improved application scalability to handle 5x traffic increase through architecture optimization
- Enhanced existing platforms adding 10+ new features and improving user satisfaction by 40%

Arasaka SL, FullStack Developer

Mallorca, Spain (Remote)

Jan 2023 – Mar 2024

1 year 3 months

- Contributed to an internal company project by developing a software solution to improve data tracking and operational efficiency.
- Designed and optimized PostgreSQL databases with Prisma ORM, improving query performance by 50%
- Collaborated with the team to streamline workflows and improve data management processes.
- Demonstrated strong problem-solving skills and a commitment to writing clean, efficient code.
- Identified areas for code improvement, refactoring and optimizing existing code for better performance and readability.

Projects

BetterEdit

2025-2026

- Built a full-stack AI-powered SaaS platform that lets creators, e-commerce brands, and content professionals generate and edit studio-quality images in seconds, replacing hours of Photoshop work and expensive photoshoots
- Built the core AI engine supporting custom fine-tuned models trained in ~5 minutes from just 10-20 user photos, enabling infinite high-fidelity generations with advanced features including prompt enhancement (Groq), background/environment swapping, object removal, virtual clothing try-ons (patterns & prints), and one-click retouch/blend/enhance pipelines
- Engineered production-grade full-stack application using Next.js 16 (App Router + Turbopack), React 19, Drizzle ORM + LibSQL, with clean architecture and proven design patterns (Repository, Strategy, Factory, etc.) for maintainable, highly scalable image processing and background job orchestration
- Developed a delightful, professional-grade frontend featuring drag-and-drop uploads (react-dropzone), interactive cropping (react-image-crop), real-time previews, smooth Framer Motion animations, and fully accessible Radix UI components — delivering an intuitive editor experience praised for its speed and ease of use
- Integrated secure user authentication & payments (Better-Auth + Stripe), AWS S3 pre-signed uploads + storage, SQS queues, Trigger.dev for reliable background AI jobs, Sharp for high-performance image optimization, and Resend for transactional emails — resulting in a fast, secure, and production-ready SaaS serving paying creators and businesses
- Architected the technical foundation for upcoming video generation and self-hosted open-source image/video models running on RunPod serverless infrastructure, ensuring full cost optimization, complete data ownership, customization, and seamless expansion into AI-generated UGC video content for any product

UpScaleer (backend turned off, only landing page visible)

2025

- Designed, architected, and launched UpScaleer — a full-stack commercial SaaS platform that empowers creators and small businesses to manage, schedule, and automate posting across 9+ social media platforms from a single, intuitive dashboard
- Built core automation engine for viral content creation, including AI-driven slideshow and short-video generation from user topics or personal image libraries, powered by FFmpeg pipelines, Sharp image processing, and real-time media optimization
- Implemented production-grade backend with clean architecture, TypeScript, Express, Prisma + Turso, and key design patterns (Repository, Strategy, Factory) for maintainable, scalable code handling scheduling, OAuth flows, and cron-based publishing
- Developed modern Next.js 15 frontend featuring drag-and-drop scheduling, real-time previews, Radix UI components, Framer Motion animations, and responsive design that delivers exceptional UX
- Integrated secure payments via Stripe (with Better-Auth), AWS S3 storage with pre-signed uploads, multi-platform social APIs (Twitter/X, Bluesky/ATProto, OAuth-1.0a), rate limiting, and email notifications — resulting in a secure, fast, and production-ready application
- Delivered additional value tools (AI Image Enhancer, side-by-side Image Comparison) and SEO-optimized landing + app that drove organic growth, and consistent positive feedback on ease-of-use and reliability

CV Builder - Professional Resume Generator

2024

- Professional CV generator using RenderCV and Typst for multi-format output (PDF, PNG, HTML, Markdown)
- Command-line interface with argparse enabling flexible YAML configuration and automation
- Automated generation pipeline with customizable themes, layouts, and professional typography
- Supports photo integration, multiple sections, and quantifiable achievements display

Technologies

System Design & Architecture: Microservices Architecture, Clean Architecture, Domain-Driven Design (DDD), CQRS, Event-Driven Architecture, Scalable Systems Design, API Design

Design Patterns: Repository Pattern, Observer Pattern, Factory Pattern, Strategy Pattern, Facade Pattern, Event Bus Pattern, Dependency Injection, Singleton, Adapter Pattern

AI & Machine Learning: LangChain, Azure AI, Azure AI Foundry, Azure Document Intelligence, GPT, OpenAI Embeddings, RAG (Retrieval-Augmented Generation), Cohere Reranker, AI SDK Vercel, MCP Servers, PgVector, Vector Search

Backend Development: Node.js, Express, Next.js API Routes, Drizzle ORM, Prisma, Supabase

Frontend Development: Next.js, React.js, TypeScript, JavaScript, Tailwind CSS, Tanstack Query, Zustand, HTML, CSS

Cloud & Infrastructure: AWS (EventBridge, S3, SQS, Lambda, SNS), Microsoft Azure, Azure AI Foundry, Docker

Databases: PostgreSQL, Supabase, PgVector, Redis, SQL, MySQL

Testing & Quality: Unit Testing, Integration Testing, Test-Driven Development (TDD), Vitest, Jest

Authentication & Security: OAuth 2.0, JWT (JSON Web Tokens), Supabase Auth, Better Auth, Microsoft Entra ID, Session Management, Token-based Authentication

Version Control: Git, Gitlab, GitHub

Languages

Languages: Spanish (Native), English (Professional Working Proficiency C1)