

Pablo Koll

SOFTWARE DEVELOPER

Madrid, Spain

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Tech Skills

Languages	JavaScript/TypeScript, Python, Go, C/C++
Frontend	React, Next.js, Vue.js, Astro, Tailwind CSS, Liquid
Backend	Node.js, Express.js, NestJS
Databases & ORMs	PostgreSQL, MySQL, MongoDB, Redis, Prisma, Sequelize
APIs & Integration	REST, GraphQL, SOAP, Webhooks, OAuth2, JWT
AI & Automation	LLMs Integration, Prompt Engineering, AI Agents, Responsible AI Usage
DevOps & Tools	Docker, AWS (EC2, S3, Lambda), Git, GitLab CI/CD, GitHub Actions, Linux
Methodologies	Agile/Scrum, TDD, Clean Architecture, SOLID Principles, Git Workflow
Project Management	Jira, Confluence, Trello, Git Workflow

Autodidact software engineer passionate about continuous learning through structured roadmaps and self-directed study. Strong **problem-solving** skills with experience tackling complex business challenges and finding technical solutions. Proven track record in **self-managing projects** and **cross-functional collaboration** with design, product, and infrastructure teams. Interested in **open source** initiatives and always exploring new technologies. **Linux** power user, leveraging it as my primary development environment. Experienced in integrating **AI technologies** into workflows, including prompt engineering and responsible use of **AI agents** to improve productivity. Focused on **backend architecture**, **API design**, and building scalable solutions using modern frameworks like **NestJS** and **Next.js**. I apply **software architecture** best practices and design patterns in my daily work.

Work Experience

Tendam

Madrid, Spain

IT TECHNICAL SPECIALIST & BACKEND DEVELOPER

Dec. 2024 - Present

- Built and integrated payment gateway processing logic with Adyen, Redsys, and Cybersource, handling multi-country payment validation, transaction processing, and error handling.
- Implemented billing systems compliant with tax regulations and invoicing requirements for multiple countries, ensuring legal compliance across different jurisdictions.
- Developed core functionalities for order management, returns, and exchanges workflows, streamlining customer service operations across international markets.
- Developing backend features using Salesforce Commerce Cloud (SFCC) for TENDAM's eCommerce platform that serves millions of customers across multiple countries and processes 10,000+ daily orders.
- Participated in the implementation and integration of a new Order Management System (OMS) with the existing SFCC ecosystem.
- Collaborated within an Agile team using Jira for sprint planning and task management, maintaining technical and functional documentation in Confluence.

Webmefy - Shopify Plus agency

Madrid, Spain

SOFTWARE ENGINEER & FULL STACK DEVELOPER

Jul. 2024 - Dec. 2024

- Full Stack development in Shopify using various themes based on Liquid, HTML, CSS, and JavaScript.
- Integrating different systems to add new functionalities to eCommerce platforms, utilizing Shopify's GraphQL, REST, and StoreFront APIs.
- Implementing client services such as ERPs, CRMs, or various web services to enhance functionality.
- Utilizing Amazon Web Services for hosting and deploying backend applications.
- Working closely with clients, maintaining and delivering new projects.
- Applying Agile and Waterfall methodologies, tracking tickets and timelines for efficient project management.

Balloon Group as FastForward

SOFTWARE DEVELOPER & BACKEND DEVELOPER

- Self-managing projects from a technical perspective, understanding client needs, and ensuring development quality.
- Participating in the backend team for developing and maintaining software to synchronize Abbott's multi-instance Magento eCommerce with its Salesforce CRM.
- Integrating the eCommerce system with the ERPs and carriers of Abbott's eight main countries in Latin America.
- Creating and maintaining middleware in NestJS, implementing functionalities for the eCommerce platforms of multiple clients.
- Utilizing design patterns such as Singleton, Factory Method, Builder, Adapter, Decorator, and Facade.
- Applying authentication methods like OAuth2, JWT, API Keys, and Token-Based Authentication.
- Implementing Git for team collaboration and version control, differentiating between production, development, and testing environments.
- Developing and interacting with REST, SOAP, and GraphQL APIs for system communication.
- Collaborating on infrastructure architecture using Amazon Web Services (AWS) to ensure application scalability.
- Implementing CI/CD pipelines on the GitLab platform.
- Using S/FTP, HTTP/S, SSH, and Webhooks for communications.
- Applying Agile, Waterfall, and Scrum methodologies.
- Utilizing project management tools like Jira and Confluence.

Buenos Aires, Argentina

Jul. 2022 - Jul. 2024

Balloon Group as FastForward

Buenos Aires, Argentina

Nov. 2021 - Jul. 2022

SOFTWARE DEVELOPER & FULL STACK DEVELOPER

- Collaborated with the design team to create interactive and responsive user interfaces using Adobe XD and Figma.
- Worked on the maintenance and development team for Toyota's CMS, using Laravel and PHP.
- Developed multiple components in React for websites, enhancing functionality and user experience.
- Implemented communication between the backend and frontend of the application.
- Maintained a WordPress site, implementing custom functionalities using PHP.
- Applied development principles such as SOLID, DRY, and KISS.
- Developed the landing page for Toyota's Hino trucks in Argentina using VueJS to promote them.
- Prioritized the implementation of effective SEO strategies to increase website visibility and traffic.

Henry

Remote, Latam

FULL STACK TEACHING ASSISTANT

Aug. 2021 - Oct. 2021

- Bootcamp Teaching Assistant (TA) for Full-Stack Development Students.
- Coordinated a group of students to ensure their integration into the study group.
- Guided students throughout the course.
- Assisted in solving exercises and promoted group collaboration (Pair Programming).
- Reviewed the GitHub repositories.
- Proposed ideas to improve Bootcamp processes.

Featured Projects

Freelance Project

Madrid, Spain

Kit Customization Widget - Interactive Product Configurator

Nov. 2025 - Jan. 2026

- Developed a complex interactive widget for Shopify using Liquid templating, JavaScript, and HTML5 Canvas for real-time product customization.
- Implemented dynamic product filtering logic handling multiple attributes (quality, gender, age, competition, size) with real-time inventory validation.
- Built canvas-based rendering system for text customization with curved text support, custom fonts, stroke effects, and multi-color rendering.
- Integrated with Shopify Metaobjects to manage product data, player information, and competition metadata dynamically.
- Designed responsive UI with skeleton loading states, error handling, and smooth transitions for optimal user experience.
- Technologies: Shopify Liquid, JavaScript, HTML5 Canvas, CSS, Shopify GraphQL API, Shopify Metaobjects.

Freelance Project

Madrid, Spain

Kit Image Generator - Automated Product Visualization Service

Sep. 2025 - Dec. 2025

- Built a high-performance Node.js/TypeScript backend service for generating personalized product images using Puppeteer headless browser automation.
- Implemented browser pool management with pre-warmed pages, reducing generation time from 15+ seconds to 3-5 seconds per image.
- Designed dual-signature security model (webhook + URL HMAC signatures with TTL) to prevent unauthorized access and URL tampering.
- Integrated smart caching system using Shopify Metaobjects and automatic CDN upload via Shopify Files API, reducing redundant processing.
- Containerized the application with Docker and Docker Compose for consistent deployment across environments.
- Technologies: Node.js, TypeScript, Express.js, Puppeteer, Docker, Shopify Admin API, REST APIs.

Education

National Technological University (UTN FRGP)

ASSOCIATE DEGREE IN INFORMATION SYSTEMS

Buenos Aires, Argentina

Mar. 2022 - Present

- Currently pursuing an Associate Degree in Information Systems with focus on computer science fundamentals.
- Core curriculum: C/C++ programming, data structures and algorithms, database design and management, operating systems, computer architecture, and software engineering principles.

Henry

Online, Latam

FULL STACK WEB DEVELOPER

Jul. 2021 - Oct. 2021

- Obtained Full Stack Web Developer certification.
- Comprehensive JavaScript full stack curriculum: React, Node.js, Express.js, PostgreSQL, Sequelize ORM, RESTful APIs, Git, Agile methodologies, and software development best practices.