

Pablo Antonio Rodriguez Rubio

DevRel / Solutions Engineer

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Solutions Engineer with over 10 years of experience as a **Software Developer**. Deep technical background enabling me to bridge the gap between complex technical products and the people who use them.

Experience

Solutions Engineer / Software Engineer	N-SIDE	2021 - 2026
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Advanced analytics SaaS platform optimizing complex clinical trials for pharmaceutical companies. Led a new API product branch from conception to production — developing, maintaining, and supporting it directly with customers so they could connect their systems, update workflows, run optimizations and simulations, and retrieve results without human interaction. Split 50/50 between solutions engineering (customer-facing product adoption) and development (building the API platform).

- **Customer Discovery:** Engaged directly with customers, technical users, and power users to understand their integration needs, workflows, and pain points, translating them into concrete product capabilities — designed and delivered ~20 API endpoints covering a wide range of use cases.
- **Data Extraction Product:** Extended API usage to internal teams for bulk data extraction (faster than manual UI workflows), then identified the same capability as a sellable product — customers could access their own historic supply chain data (shipments, CO2 emissions, trial duration, etc.) directly via the API. Launched a new profitable business line for the company.
- **PoC to Production:** Started from a Proof of Concept for a key client and iterated into a full working product now adopted by all existing accounts — integrated 5 new customers after initial launch.
- **Guided Adoption & Support:** Guided clients through integration with screencasts and hands-on support, answered technical emails covering problems, questions, and feature suggestions — significantly reducing integration friction and the volume of support requests.
- **Content creation:** Wrote all external documentation on how to use the API, produced video tutorials and demos, and presented new features to customers and the wider community — increasing API usage and cutting the number of technical support emails.
- **Developer Experience:** Started as a developer on the main web application, building features for clinical trial optimization. Pivoted to building the API infrastructure on the **TYK** gateway, designing internal documentation, and creating automation workflows.

Software Engineer	Noesis Solutions	2017 - 2021
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Cloud-native collaborative platform transforming legacy desktop simulation workflows into web-based engineering solutions.

- **Data Visualization:** Engineered complex data visualization dashboards almost from scratch using Java Web Toolkit (JwT), enabling engineers to interactively analyze and render large-scale engineering datasets with hundreds of thousands of data points.
- **Knowledge Sharing:** Created detailed internal documentation mapping out data sources, database extraction logic, and charting mechanics, successfully onboarding other developers and streamlining future dashboard iterations.

Freelance Software Developer	Remote / Granada, Spain	2015 - 2017
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- **Mobile Development:** Developed cross-platform mobile applications for iOS and Android from scratch using the Ionic framework.

Software Engineer (Research & Development)	Universidad De Granada (DECSAI)	2016 - 2016
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- Joined the Department of Computer Science and Artificial Intelligence to develop a fuzzy model to enhance user profiles in microblogging sites using deep relations.

Education

Universidad de Granada

Granada, Spain

B.Eng. in Computer Engineering

2010 - 2015

- Focused on computer architecture and systems security.
- **Final Project:** Developed a complete real-time bus tracking system, including the Hybrid Android/iOS mobile applications and supporting backend infrastructure.

Personal Projects

P1 PearNote: Real-Time Sync Without a Backend *Technical Content & Demo*

- Built a real-time collaborative sticky notes app with no server — two phones syncing peer-to-peer via the [Holepunch](#) stack.
- 📺 [YouTube video](#) | [Link to GitHub Repository](#)

P2 Pridianum: WWII Interactive Map *Video Demo & Storytelling*

- Created a video demo telling a story through [Pridianum](#), an interactive WWII map.
- 🌐 [Website](#) | 📷 [Instagram reel](#)

P3 Beyond the Bytecode: Solving OWASP UnCrackable L1 with Guardsquare Tools *Technical Video & Documentation*

- Created a step-by-step guide on bypassing root detection and decrypting AES-256 secrets in Android apps using ProGuard Assembler.
- 📺 [YouTube video](#) | [Link to GitHub Repository](#)

P4 Movie Kombat: React + TypeScript Tournament App *Full-Stack Web Development & API Integration*

- Built an interactive movie bracket app using **React**, **TypeScript**, and **Tailwind CSS v4**.
- Integrated third-party API [TMDB](#) for movie search and platforms availability.
- [Link to GitHub Repository](#) | [Live App](#) | 📺 [Promo video](#) | [LinkedIn post](#)

P5 Fake Tinder: Progressive Web App (PWA) Experiment *Mobile Web Development & Social Engineering Concept*

- Developed a prank-oriented PWA that mimics native app installation on iOS/Android via web manifests.
- [Link to GitHub Repository](#)

P6 Technical Documentation & Learning Resources *Educational Content Creation & Knowledge Sharing*

- Comprehensive documentation of technologies and frameworks I used in my work and projects.
- **React:** React documentation with Vite and Tailwind CSS integration guides ([Vite + React + Tailwind](#) | [Learning React Guide](#))
- **Scala:** Documented advanced Scala concepts and Akka framework fundamentals for distributed systems ([Rock the JVM - Scala](#) | [Akka Essentials](#))
- **Java & ORM:** Technical notes on Hibernate framework covering entity mapping, transactions, and best practices ([Hibernate Course](#))

Skills

Technical Stack:  Scala  Akka  Java  JavaScript  TypeScript  React  AWS  GitLab  CI/CD  MySQL

Content & Creative:  CapCut  OBS Studio  Synfig  Photopea  Confluence

Languages:  Spanish (Native)  English (Full Professional)  French (Professional)  Dutch (Elementary)