

Pablo Antonio Rodriguez Rubio

Full-Stack Software Engineer

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Highly technical Software Engineer with over 10 years of experience specializing in Scala, distributed systems, and DevOps. Proven track record in building reactive, asynchronous applications and streamlining delivery through automated CI/CD pipelines.

Experience

Software Engineer	N-SIDE	2021 - 2026
◦ Distributed Systems: Developed and maintained a suite of applications for clinical trial optimization using Scala, ScalaJs, Pekko, and Slick.		
◦ Reactive Architecture: Built asynchronous and reactive systems backed by Postgres to ensure high performance and scalability.		
◦ Infrastructure & DevOps: Managed AWS EC2 instances and implemented deployment automations using Argo and GitLab CI.		
◦ Scripting & Automation: Developed internal Linux automations and tools using Python and Bash.		
◦ Technical Leadership: Served as Kanban Lead, managing daily standups and optimizing team workflows within Agile and Lean frameworks.		
Software Engineer	Noesis Solutions	2017 - 2021
◦ Product Development: Engineered a new software product for the Process Integration and Design Optimization (PIDO) sector.		
◦ Data Visualization: Enhanced a specialized tool capable of handling and visualizing datasets exceeding hundreds of thousands of data points.		
◦ System Design: Architected a tool to support remote asynchronous connections between distributed nodes.		
◦ Deployment Automation: Automated software installation processes and dependency management across various Linux distributions.		
◦ Full-Stack Stack: Leveraged a diverse stack including Scala, Akka, Java, Spring, Hibernate, and Knockoutjs.		
Freelance Software Developer	Granada, Spain	2015 - 2017
◦ Mobile Development: Developed cross-platform mobile applications for iOS and Android using the Ionic framework and AngularJS.		
◦ Backend Integration: Designed and implemented backend services and REST APIs to support real-time features, including GPS tracking.		
◦ Web Development: Built custom WordPress websites using PHP and JavaScript.		
Software Engineer (R&D)	Universidad De Granada (DECSAI)	2016 - 2016
◦ Data Modeling: Developed a fuzzy model to enhance user profiles in microblogging sites using deep relations.		
◦ Implementation: Utilized Java, JSP, and MySQL for robust data modeling and backend implementation.		

Education

Universidad de Granada	Granada, Spain
B.Eng. in Computer Engineering	2010 - 2015
◦ Focused on computer architecture and systems security.	
◦ Final Project: Developed a real-time bus tracking system including mobile applications and backend infrastructure.	

Personal Projects

P1 **Beyond the Bytecode: Solving OWASP UnCrackable L1 with Guardsquare Tools** *Technical Video & Documentation, 2025*

- 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](#)

P2 **Movie Kombat: React + TypeScript Tournament App** *Full-Stack Web Development & API Integration*

- Built an interactive movie bracket app using **React 19, TypeScript, and Tailwind CSS v4**.
- Integrated multiple third-party APIs (OMDb & TMDB) for global search and discovery.
- [Link to GitHub Repository](#) | [Live App](#)

P3 **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](#)

Skills

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

PostgreSQL  MySQL

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