



Building Digital Solutions That Grow With You

We help innovative businesses move faster by building high-quality software with precision, confidence, and flexibility.

Who We Are

Technical Collaborators

We translate product ideas into real-world platforms that scale, ensuring each solution is purpose-built, easy to evolve, and grounded in business goals.

Adaptable Partners

We adapt to your needs—whether you need quick execution for a prototype or a more complex project. We think like product owners, not just engineers.

Clear Communicators

No fluff. No bloated meetings. We deliver resilient systems, not just pretty code.



What We Do Best

We help companies move forward by building scalable software and shipping usable products. Our goal is always to provide reliable, elegant foundations that grow with your business.



Product Discovery & Prototyping

Aligning business goals with user needs to ensure the right product is built from the start.



MVP Development

Launch your product with just enough features to gather user feedback and validate your vision.



Frontend Development

Seamless interfaces across web and mobile, optimized for usability and performance.



Backend Development

Solid, well-structured APIs and business logic designed to handle real-world usage and scale.



Infrastructure

Cloud-native, containerized, and cost-efficient setups ready for growth, observability, and failover.

Our Founders



Jose Antunes



[Website](#)



[LinkedIn](#)

José Francisco Antunes is a senior software architect and co-founder of ARG Software with over a decade of experience designing and developing scalable, enterprise-grade applications. With a strong academic foundation from the University of Porto, José has worked across Europe and the U.S. in industries including music tech, manufacturing, ERP, manufacturing, tourism, fintech, and event-driven/real-time processing platforms.

He specializes in backend architecture, domain-driven design, and full-stack development using modern technologies such as .NET Core, Angular, React, PostgreSQL, and Docker. Known for his hands-on leadership style, José often acts as a Scrum Master and technical coach, fostering agile best practices across distributed teams.

A strong advocate for clean code and architecture patterns like CQRS and Onion Architecture, he is passionate about building reliable, maintainable systems that scale.



Rui Rocha



[Website](#)



[LinkedIn](#)

Rui Rocha is a seasoned full-stack software developer and cofounder of ARG Software, with over a decade of experience across diverse industries including telecom, music royalties, healthcare tech, food & brand design, fintech, and high-frequency/event driven processing systems. His expertise spans front-end and back-end development using modern frameworks and tools such as React, Angular, .NET, Node.js, and Docker.

Rui is passionate about delivering scalable, robust solutions and excels in agile environments. With a strong foundation in software architecture, testing, and DevOps practices, he's led and contributed to projects in Portugal, Sweden, and the U.S.

Clean, modular design is a core priority, with an emphasis on building systems that are maintainable, testable, and scalable over time. Committed to delivering dependable and adaptable solutions, he brings a globally informed perspective to every team he joins.



Case Study Overview

We've delivered a variety of successful platforms across sectors. Here are a few standout examples selected for their architectural depth, product complexity, or potential to create lasting industry impact:

Mojaloop vNext

A real-time financial inclusion switch supporting regional payments across borders.

Dokutar

A user-friendly and regulation-aware tax documentation platform tailored for the German market.

SkyTracks

A cloud music production platform that enables low-latency collaboration between artists.

More Case Studies

Royalty Flush

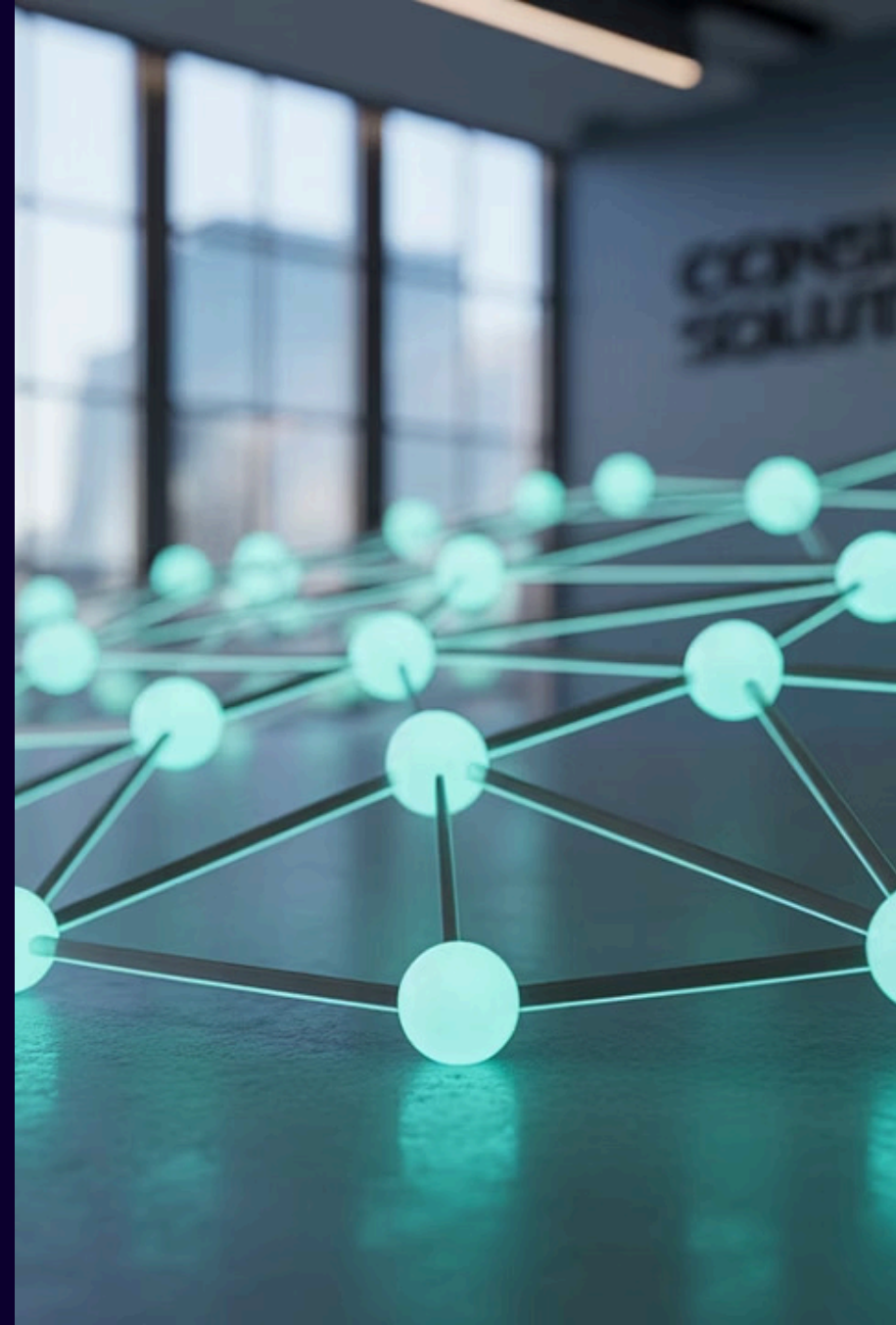
A platform for managing royalties, contracts, and revenue splits for music professionals.

Vector

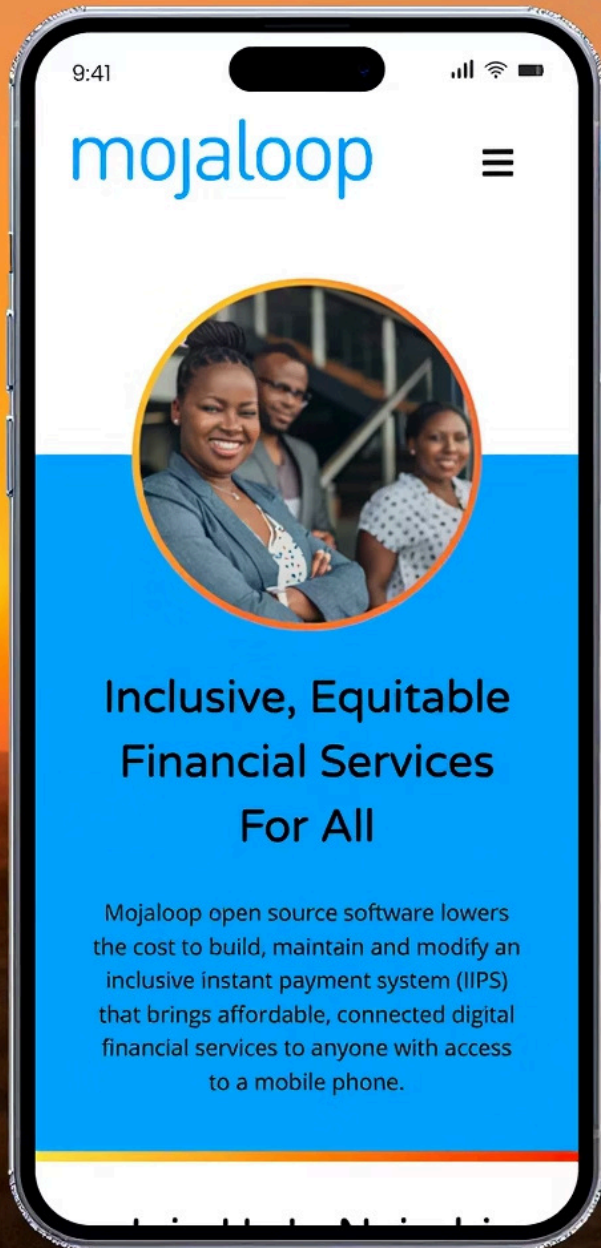
A trading platform allowing users to automate trades and subscribe to expert strategies.

People's Clearing House

An open-source digital clearing solution focused on community financial institutions.



Use Case: Mojaloop vNext



Challenge:

Mojaloop's mission to bring financial inclusion to underserved regions meant building a platform that could interconnect diverse financial systems across countries, while meeting high standards for performance, security, and regulation.

Impact:

Enable seamless digital payments across borders, empowering people in developing regions to access financial tools through mobile money, banking apps, and fintech solutions.

1

2

Our Solution:

- Designed and implemented a modern microservices architecture
- Integrated real-time settlement capabilities for instant transactions
- Built robust authentication, encryption, and access control layers
- Created tools for handling regional regulatory compliance
- Supported modular onboarding of banks
- Implemented the central transaction switch using Domain-Driven Design

3

Use Case: Dokutar

Challenge:

Designing a modern tax documentation platform tailored for businesses in Germany, with emphasis on local compliance, stability, and scalability.

Impact:

Businesses can now manage tax workflows with ease, meet German regulatory standards, and expand operations confidently.

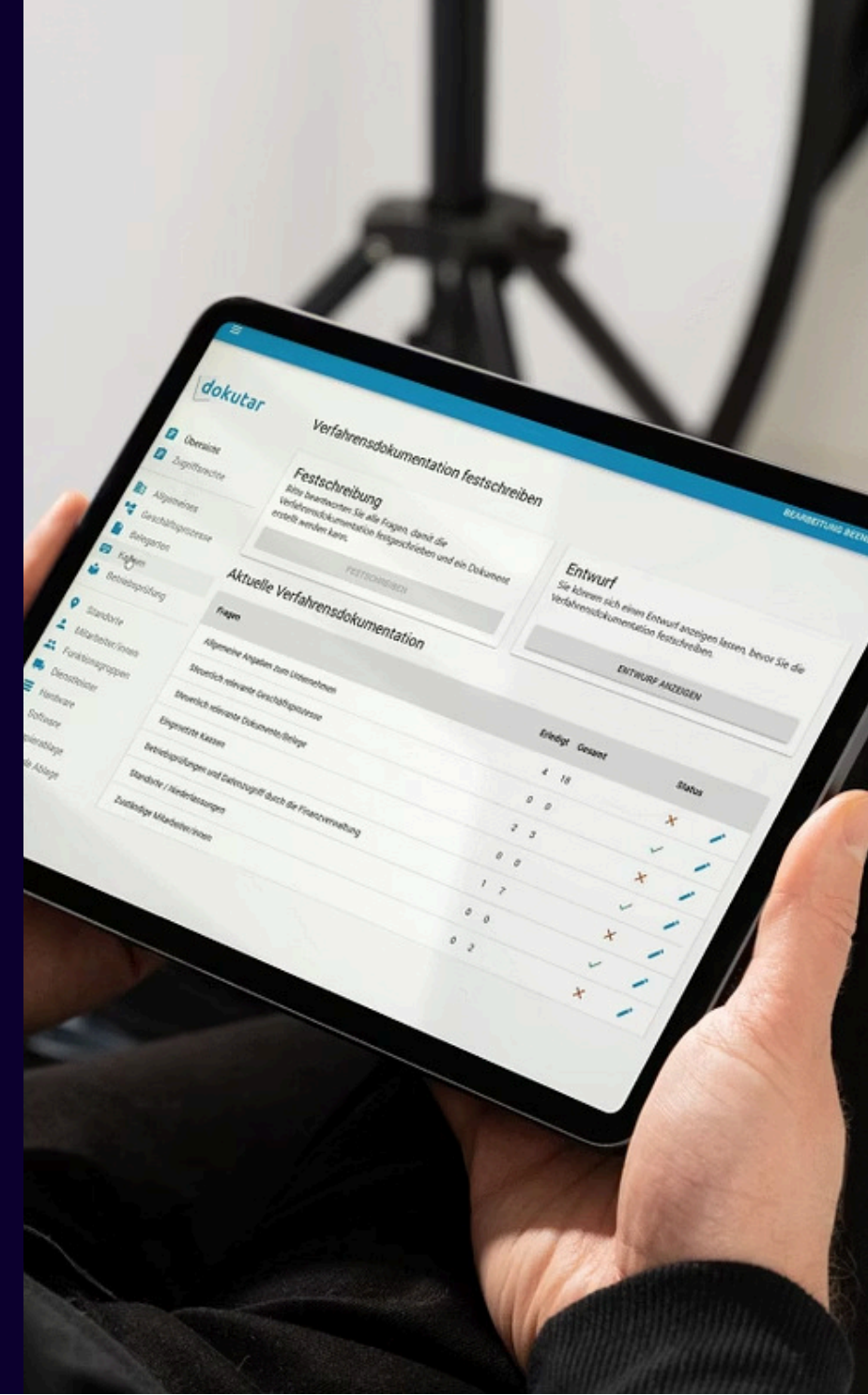
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Our Solution:

- Rebuilt the backend from scratch using a secure, scalable architecture
- Implemented point-and-click UI to simplify documentation workflows
- Automated complex compliance and audit requirements tailored to local regulations



Use Case: SkyTracks



Challenge:

Musicians needed a platform to collaborate in real-time on music production - from anywhere in the world - with low latency and pro-grade tools.

Impact:

Artists can co-create tracks remotely in real time, eliminating geographic barriers to collaboration and creation.

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Our Solution:

- Built a WebRTC-powered collaboration system with real-time audio sync
- Integrated virtual instruments and multi-track audio editing
- Delivered a UX suitable for both beginners and pros

Use Case: Royalty Flush

Challenge:

Managing music royalties and contract metadata for artists and labels often involves slow, manual processes that lack transparency.

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Our Solution:

- Developed a custom backend that ingests streaming data and calculates royalties accurately
- Created smart-contract-style transparency tools for contracts and splits
- Optimized performance to handle surges during royalty payout cycles

Impact:

Labels and artists gain clarity and confidence in their revenue flows, reducing disputes and improving trust across the board.

3



Use Case: Vector

Challenge:

Liminality Labs needed a high-frequency trading platform that could connect user accounts on exchanges like Bybit and Coinbase and automate trades based on price signals and pre-defined strategies.

Impact:

Vecrnw provides a robust automation platform where users can subscribe to expert-built trading strategies that execute trades seamlessly.

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Our solution:

- Rebuilt the entire backend from scratch with a new tech stack
- Integrated a reliable backend architecture to deliver full trading functionality and real-time strategy execution
- Enabled secure exchange integrations for automated crypto trades
- Restored full buy/sell automation based on user-defined price signals
- Implemented a robust strategies system allowing the users to subscribe to and run automated trading algorithms designed by experts

3



Use Case: People's Clearing House

Challenge:

Expanding financial access across fragmented and underbanked communities required a new kind of digital clearinghouse - one that could process instant payments between grassroots financial providers using open protocols.

Impact:

This open-source solution serves as a foundation for national-scale clearing systems, offering a blueprint for inclusive infrastructure that can serve informal finance networks.

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Our Solution:

- Developed a modular payment hub prototype based on Mojaloop principles
- Enabled interoperability between community banks and credit unions
- Implemented strong security and transparent accounting layers
- Focused on usability for rural, low-bandwidth environments

3



Our Open Source Projects



[Nx-Monorepo-Boilerplate](#)

A boilerplate for building scalable monorepo applications using Nx, featuring API integration, webhooks, messaging, and CQRS.



[Browser Extension Boilerplate](#)

Boilerplate for building Chrome extensions with React, TypeScript, and Vite — fast, modular, and ready to customize.



[Clean-Architecture](#)

A pragmatic Clean Architecture template for scalable, testable, and maintainable software



[Angular-Redux](#)

An Angular project integrating Redux for state management, demonstrating a structured and modular approach to handling application state.



[Kubernetes-Poc](#)

A PoC for deploying a NestJS logging API with PostgreSQL in a Kubernetes cluster using K3d, showcasing deployments, services, and config management.

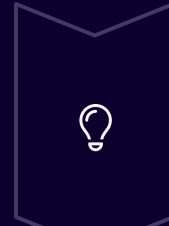


How We Work

Our Philosophy:

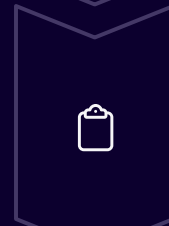
- We treat every project like it's our own
- We work in focused iterations
- We prioritize clarity and actionable communication
- We ship only working code

Process:



Discovery

Understand your goals and the problem space.



Planning

Create a roadmap with priorities and outcomes.



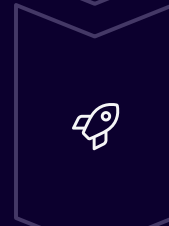
Development

Build with constant validation and iteration.



Testing

Validate reliability and behavior before shipping.



Launch & Support

Help you scale, monitor, and evolve the product.





Why Clients Love Working With Us

"Good communication, solid work, and timely delivery."

"Excellent MVP delivery with full tech support."

"Legacy API transformed expertly."

"Always responsive and adaptable to change."

We've successfully delivered critical systems that power production environments, handle significant transaction volumes, and serve diverse clients around the world.

Let's Talk

Have an idea?

**Whether it's an MVP
or a complex
platform, we're here
to help**





Connect With Us



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