

Pedro Rubinger

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SUMMARY

I am a Software Engineer with 6+ years of experience building full-stack products using Golang, TypeScript, Node.js (NestJS, Express, Adonis.js), React and React Native. Across 10+ projects in my career, mostly in the financial sector but also in hospitality, food service, and energy, I've worked on whitelabel digital banking apps and their back-offices, an installment Pix payment app, a payment gateway built on a microservices architecture (AWS SQS/SNS, PostgreSQL, DynamoDB), and a high-volume promotions engine running on NestJS, Oracle and event-driven services for one of the largest energy companies in Brazil.

Working with both national and international customers has given me experience adapting to different business contexts, technical requirements, and development environments while delivering scalable, reliable, and maintainable solutions.

WORK EXPERIENCE

Software Engineer — Luby

Oct 2020 – Present

- Developed and maintained web and mobile products, mostly in the financial and banking sector, including server applications, APIs, documentation, management dashboards (Back-office), internet banking websites, and cross-platform mobile apps, as well as products for other industries such as hospitality, food service, and energy.
- Led front-end architectural and technology decisions (React Native, React.js, TypeScript, Redux/Zustand, Styled Components, Expo, etc.).
- Implemented responsive and pixel-perfect Figma designs for both web and mobile platforms.
- Performed extensive code refactoring, optimization, and bug fixing, ensuring maintainability and scalability.
- Collaborated with cross-functional teams, including Designers, Scrum Masters, and Product Owners, using Scrum and Agile methodologies.
- Contributed to backend development using Go, Node.js, Express.js, Adonis.js, MySQL, PostgreSQL, NoSQL, and AWS.
- Actively participated in manual and automated testing, code reviews, and CI/CD processes.
- Actively and consistently contribute to defining requirements and refining technical stories, with a particular focus on front-end specifications.
- Responsible for presenting the stories to the client during Sprint Reviews.

KEY PROJECTS

- **Fleet Tracking System with IoT Integration** — My first project as a professional developer: an IoT-connected fleet tracking solution that communicated with Bluetooth devices. Built the mobile app with React Native and Expo, and worked on the APIs and back-office using Node.js, Adonis.js, PostgreSQL, and GraphQL (Apollo), which gave me hands-on experience with GraphQL. Although discontinued, the project gave me deep insights into real-time connectivity and device pairing.
- **Whitelabel Digital Banking App (Finfy)** — Contributed to the development of a fully configurable mobile banking platform that allowed Financial Institutions to customize branding, color palettes, and

feature sets. Built with React Native, TypeScript, Node.js, PostgreSQL, DynamoDB, Redux, Styled Components, and Expo. Successfully launched and transitioned to a dedicated maintenance team. The app included a complete set of digital banking features, providing a full mobile banking experience.

- **Whitelabel Digital Banking Backoffice (Finfy)** — Contributed to the development of a configurable web-based backoffice platform for Financial Institutions, enabling management of users, accounts, transactions, and app configurations. Built with React.js, TypeScript, Ant Design, Redux, Node.js, PostgreSQL, and Jest. Implemented robust UI components, automated tests, and administrative workflows. Successfully launched and transitioned to a dedicated operations and maintenance team, providing a complete suite of tools for managing the digital banking ecosystem.
- **Installment Pix Payment App (Tiba Pix)** — Contributed to the development of an app that enables users to pay with Pix, Brazil's instant payment system, offering installment options. Implemented complex SVG graphics and smooth animations using React Native Reanimated. Worked on KYC integrations, onboarding flows with WhatsApp integration, and Figma-based design implementations. The project achieved good results and was successfully handed over to an internal support team.
- **Charitable Lottery Whitelabel App (Apcap)** — Participated in the development of a scalable mobile platform for charitable lottery bonds, allowing users to purchase tickets, track results, and watch live draws directly within the app. The product achieved nationwide adoption, serving around 3% of Brazil's population by 2025, and generated multi-million-real annual revenue. The app was developed with React Native CLI, Redux, Styled Components, and featured integrations with KYC providers, Firebase and Bitrise CI/CD pipelines for continuous delivery and quality assurance.
- **Payment Gateway System (Online IPS - USA)** — Led the front-end development of a Payment Gateway built with Next.js, Tailwind CSS, Zustand, and several related libraries. Also contributed to back-end development using Node.js, PostgreSQL, DynamoDB, AWS SQS, AWS SNS, and a microservices architecture. This was my first international project, successfully launched in production and delivering strong business results. It is currently maintained by another team.
- **Casino & Hospitality Loyalty App (Boyd Gaming – USA)** — Contributed to the front-end development of a mobile application for one of the largest gaming and hospitality operators in the United States. The app enabled users to manage hotel stays, track casino gaming activity and loyalty rewards, make restaurant reservations, and access personalized hospitality services. Built with React Native, TypeScript, Expo, AWS Cognito, Emotion, and Analytics integrations. Strong emphasis was placed on accessibility (WCAG compliance and inclusive user experiences), ensuring the application met stringent U.S. market standards.
- **Trade Receivables Registry Platform (CRDC / B3)** — Contributed to the development of a platform for the electronic registration of *duplicatas*, Brazil's trade receivable instrument, integrated with the Brazilian stock exchange (B3) APIs. Built the back-end in Go using a microservices architecture, with PostgreSQL, Docker and AWS, and documented the APIs with Swagger/OpenAPI. Also developed the two React and Tailwind CSS front-ends: an internal back-office and a customer-facing registration dashboard. Stack: Go, React, Tailwind CSS, PostgreSQL, Docker, AWS, Swagger/OpenAPI.
- **Promotions & Rewards Platform (Vibra Energia / Petrobras)** — Contributed to the development of a large-scale promotions engine designed to process high transaction volumes and run prize draws for customers fueling at participating gas stations. Developed back-end services using NestJS, TypeScript, Oracle Database, Docker, AWS, and event-driven architectures, while also contributing to the administrative back-office platform built with Next.js. The system supported complex promotional campaigns, eligibility rules, and large-scale user participation, delivering reliable performance under significant operational load.
- **Restaurant Chain Website (Potbelly – USA)** — Short-term assignment (about one month) while

my main project was being kicked off. Fixed production bugs in the Next.js website of a well-known US restaurant chain, using debugging and profiling tools to trace root causes and improving page performance along the way. Stack: Next.js, React.

- **Commercial Opportunity Management Platform (Vibra Energia / Petrobras)** — Core full-stack engineer on the system that replaces the manual, spreadsheet-and-email process through which Brazil's largest fuel distributor evaluates, approves and contracts new gas-station clients — a flow that moves multi-million-real contracts and is audited under SOX. Own features end to end, from refining requirements with business analysts to backend, frontend and production support: built the approval-hierarchy saga that routes deals through commercial, credit and legal gates; the credit and integrity due-diligence flow; and the contract lifecycle up to electronic signature. Designed the integrations the product depends on — Salesforce CRM, Microsoft Entra ID, DocuSign, SAP and external credit bureaus — including the failure semantics that keep a rejected external write from corrupting deal state. Established backend conventions now enforced in CI (typed error contracts, append-only audit trail, transactional outbox, migration policy) and diagnosed recurring production and pipeline failures, turning each into a regression test. Stack: NestJS, TypeScript, Next.js, PostgreSQL/TypeORM, Docker, AWS ECS, GitHub Actions.

Additional Contributions:

- Continuously developing hobby projects using Go, React, React Native, and Node.js. Notably, created a React Native app featuring AI-powered language assistance through the OpenAI API.
- As the sole Front-End Developer in my team, led technical strategy, framework choices, and participated in business discussions alongside backend engineers.
- Volunteered as a software developer at APAE (Associação de Pais e Amigos dos Excepcionais), a Brazilian nonprofit that supports people with disabilities. Built and shipped to production a small desktop system to manage volunteers, using React, Node.js, MySQL, and Electron.

EDUCATION

2018 – 2022 Bachelor's Degree in Software Engineering, Federal University of Technology of Paraná (UTFPR)

CERTIFICATIONS

Jun/2026 AWS Certified Cloud Practitioner

SKILLS

Frontend	React.js, Next.js, React Native, TypeScript, Redux, Zustand, Tailwind, Internationalization, Styled Components, Emotion, Expo, Figma implementation, Responsive Design, Design System, Accessibility Compliance
Backend	Go, Node.js (Express.js, Adonis.js, NestJS), MySQL, Oracle, PostgreSQL, NoSQL, REST APIs, GraphQL, Serverless, AWS, GCP
DevOps	CI/CD (Bitrise, GitHub Actions), Terraform, Git, Docker, Firebase, Testing (Jest, React Native Testing Library)
Methodologies	Agile, Scrum, Code Review, Cross-functional collaboration, Clean Architecture, Design Patterns
AI	Amazon Kiro, Amazon Q, AWS Lex, Cursor AI, GitHub Copilot, Claude Code, Anthropic API, OpenAI API, MCP servers
Other	Postman, UX/UI Collaboration, Push Notifications, KYC Integration, Mentoring junior developers and interns, Technical Leadership
Learning	Swift UI (iOS)