Jessica **Tarra Alvarez**

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Last Experiences

Nubank *https://nubank.com.br/*
SOFTWARE ENGINEER (MOBILE) *Jan 2025 – Present*

- Co-authored the technical design and co-led the implementation of the OTP SMS Challenge Method, delivering fully integrated Back-end Driven Content (BDC) UI flows, backend endpoints, and analytics dashboards on Amplitude to enhance accessibility and support Nubank's App Excellence goals.
- Contributed to the migration from Flutter/native (iOS/Kotlin) implementations to a Backend Driven Content architecture, enabling greater scalability, consistency, and faster feature rollout across mobile platforms.
- Prepared the migration of the company's primary liveness provider SDK, establishing automated CI workflows, conducting technical assessments, and coordinating rollout and risk mitigation across multiple engineering teams.
- Mentored new mobile engineers, supporting their onboarding into Nubank's development ecosystem and guiding best practices in architecture, testing, and delivery.
- Authored and co-authored several internal technical documents, including design specifications, migration playbooks, and architectural proposals that shaped key platform-wide technical decisions.

Genial Investimentos (by Squad Premium) *https://www.genialinvestimentos.com.br/*
SOFTWARE ENGINEER (MOBILE) *Dec 2023 – Dec 2024*

- Hired to assist in the critical task of delivering the new version 3.0 app made with Flutter, clean architecture, MVVM, Bloc, reactive programming and multi-package repositories approach
- Responsible for implementing the white label feature in the new version 3.0 app. This new implementation allowed non-technical users to set and update the white label user's theme, including the overall color scheme, logo and icon. Previously, this process was handled entirely by technical people and involved significant bureaucracy. Now, it can be done through a content management system (CMS)

N26 Brasil *https://n26brasil.com/*
SOFTWARE ENGINEER (MOBILE) *Dec 2021 – Dec 2023*

- Co-developed the loops functionality, enabling users to automate investments into different sub-accounts with specific goals. This feature received recognition in the media for its innovative approach. [Link: https://tinyurl.com/n26-brasil]
- Co-developed the presets feature, allowing users to choose from pre-determined packs of sub-account saving buckets. Successfully implemented customization options to cater to individual needs.
- Co-developed the iconization of timeline transactions as part of an initiative to migrate legacy code from an oldest Flutter version in a monolithic style to the latest version of Flutter and multi package style. We used the VIPER architecture to ensure modularity and maintainability, and focused on creating clean, well-designed code.
- Co-creation, maintenance, and documentation of fully automated CI pipelines and deployment scripts for mobile apps using Bitrise.io

Skills

Proficient: Dart/Flutter, Clojure, Software Architecture, Server Driven UI, Testing, BDD, CI/CD, Git
Familiar: JavaScript, Python, Go, Kotlin, Swift, Test Driven Development (TDD), SQL, PostgreSQL, AWS, Docker

Languages

Spanish
NATIVE OR BILINGUAL PROFICIENCY

English
FULL PROFESSIONAL PROFICIENCY

Portuguese
FULL PROFESSIONAL PROFICIENCY

Open Source Projects

2025 **Melos**, tool that optimizes the workflow around managing multi-package repositories with Git and Pub. https://melos.invertase.dev/ *Top 10 contributor*