

Nicolas Cleik

Software Engineer | Python (Clean Arch) & JavaScript

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PROFESSIONAL SUMMARY

Software Engineer focused on **Scalable Architecture** and **Code Quality**. Specialist in translating complex business requirements into robust technical solutions using Python and modern JavaScript. Proven experience as a **Tech Lead**, managing agile rituals, refactoring legacy systems, and applying methodologies such as Clean Architecture, TDD, and DevOps.

PROFESSIONAL EXPERIENCE

Engplay (SaaS)

Squad Lead & Full Stack Developer

Jul 2025 – Dec 2025

- **Technical Leadership:** Managed Squad 28 (Porto Digital & UNIT partnership), leading dailies, planning, and implementing task rotation to reduce knowledge silos and increase team resilience.
- **Churn Reduction:** Architected the "Retention Engine," a critical feature with "Soft Landing" logic (scheduled cancellation) that directly impacted client retention rates.
- **Software Engineering:** Refactored legacy Vanilla JS codebase, eliminating redundancies (DRY), modularizing components, and optimizing application load time.
- **Accessibility:** Implemented native Text-to-Speech APIs and integration with VLibras (Brazilian Sign Language Tool).

FEATURED PROJECTS

Core Gym Architecture

High-Performance Management Kernel

Python 3 (Backend)

[View Code](#)

- Rigorous application of **Clean Architecture** and **Repository Pattern** to ensure total decoupling between business rules, database, and interfaces.
- Implementation of optimized **Raw SQL** for complex queries, eliminating ORM overhead and increasing system performance.

SaaS Retention Engine

Intelligent Cancellation System

JavaScript & Firebase

[View Demo](#)

- Data-driven architecture integrated with **Firebase Firestore** for real-time decision metrics analysis.
- Development of modular frontend logic to manage retention states and client recovery flows (Win-Back).

Interactive Health Dashboard

3D Data Visualization

JavaScript & Three.js

[View Demo](#)

- **Modular ES6** architecture for efficient state management across multiple views and real-time WebGL rendering.

TECHNICAL SKILLS

- **Languages:** Python (OOP, High-Performance), JavaScript (ES6+, DOM, Async), SQL (Oracle/Postgres).
- **Engineering:** Clean Architecture, MVC, Design Patterns, TDD, Data Structures.
- **DevOps & Tools:** Git/GitHub, Docker, CI/CD, RabbitMQ (Concepts), Linux.
- **Soft Skills:** Team Leadership, Technical Mentorship, Assertive Communication, Advanced English.

EDUCATION AND CERTIFICATIONS

Bachelor of Science in Computer Science

Universidade Tiradentes (Expected: 2029)

Relevant Certifications:

- **Software Engineering** - Alura (60h)
- **DevOps** - Alura (48h)
- **Oracle PL/SQL Database** - Federal Institute of Rio Grande do Sul (20h)
- **Microservices Architecture and RabbitMQ** - Alura (24h)

LANGUAGES

Portuguese: Native | English: Advanced | German: Basic