

# NILYAN VICENT

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## Professional Summary

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Senior Software Engineer with 9+ years building operational platforms, analytics systems, and large-scale applications. Experienced leading frontend architecture, developing data-intensive dashboards, and translating complex operational workflows into scalable product experiences.

Strong background in TypeScript ecosystems, modern frontend engineering, and full-stack application delivery using React, Angular, FastAPI, and API-driven architectures. Recent work includes AI-assisted workflows, analytics tooling, and intelligent product systems built with Supabase and LLM integrations. Comfortable operating across architecture, product delivery, stakeholder communication, and engineering execution within remote cross-functional environments.

## Core Skills

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**Frontend & Product Engineering:** TypeScript, React, Angular, NgRx, RxJS, TanStack Query, Tailwind, shadcn/ui, Highcharts, GIS, real-time dashboards, data visualization systems.

**Backend & Intelligent Systems:** FastAPI, Node.js, NestJS, Supabase, REST APIs, LLM integrations (Claude, LiteLLM), analytics pipelines, AI-assisted workflows.

**Architecture & Delivery:** Scalable UI systems, frontend architecture, monorepo architecture, API integration, CI/CD, Docker, GitHub Actions, Azure DevOps, MVP delivery.

**Engineering Practices:** Clean Architecture, SOLID, Agile/Scrum, Jest, Jasmine, observability (Sentry, SonarQube), bundle optimization, reusable component systems.

**Product & Collaboration:** Technical leadership, stakeholder communication, cross-functional collaboration, mentoring, product delivery, workflow translation.

**Languages:** Spanish (Native), English (Professional Proficiency)

## Professional Experience

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Tekton Labs · Remote (USA Clients)

Senior Software Engineer → Tech Lead / Solutions Architect

2019 – Present

**Banking Platform – Senior Software Engineer | 2026 – Present**

- Reduced migration and implementation time by ~80% through AI-assisted engineering workflows, accelerating modernization efforts and delivery iteration cycles.
- Supporting platform evolution through maintainable architecture updates, workflow enhancements, and modernization of legacy application patterns.

**InnFrac – Tech Lead | 2023 – 2026**

- Led frontend architecture and operational analytics workflows for a mission-critical energy platform handling high-volume operational datasets.
- Established a bi-weekly release cadence from scratch, reducing deployment issues by 40% and improving delivery speed by ~30%.
- Led independently scoped product initiatives reaching ~95% adoption across operational teams.

- Built data-intensive dashboard systems supporting operational visibility and field decision-making workflows.
- Managed engineering coordination, release workflows, and cross-functional collaboration across teams.

#### **InnDrill – Senior Software Engineer | 2022 – 2023**

- Transformed low-fidelity operational concepts and ambiguous workflow requirements into production-ready drilling analytics systems, accelerating feature delivery timelines by ~30%.
- Converted partially defined ideas into scalable operational workflows and interactive dashboards supporting field decision-making processes.
- Improved maintainability and delivery workflows through reusable frontend architecture and analytics visualization patterns, reducing duplicated implementation effort across application modules.

#### **Corteva – Senior Software Engineer | 2021 – 2022**

- Modernized enterprise agriculture planning workflows and integrated legacy backend systems into modern frontend applications.
- Translated evolving operational requirements into maintainable product workflows under aggressive delivery timelines.

#### **E-Commerce Platform – Senior Software Engineer | 2021**

- Developed SEO-focused SSR e-commerce workflows with recurring payments and third-party payment integrations.
- Improved frontend performance, SEO, and transactional user experience through scalable Angular SSR patterns.

#### **Vizzia Technologies – Software Engineer | 2021**

- Developed real-time clinical workflow interfaces supporting hospital patient tracking and operational coordination.
- Improved operational visibility for healthcare teams through reusable UI workflows and process-focused application enhancements.

#### **ArthritisPower – Full-Stack Engineer | 2019 – 2021**

- Served as the primary full-stack engineer delivering a clinical research platform across web applications, APIs, and mobile release workflows. Accelerated feature delivery timelines by ~20% through proactive ownership, rapid implementation workflows, healthcare data integrations, and scalable deployment practices supporting continuous research operations.

## **Education**

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**Bachelor of Science in Software Engineering** 2009 – 2015

Universidad Nacional Experimental de Guayana · Venezuela

## **Selected Personal Projects**

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### **Insights Engine – AI-Assisted Analytics Backend**

FastAPI-based backend platform that computes contextual financial insights from transactional datasets using Supabase, LiteLLM, and Claude integrations. Designed recommendation workflows and analytics orchestration patterns for intelligent product experiences.

### **Personal Budget – Intelligent Financial Tracking Platform**

Modern TypeScript-based budgeting application exploring AI-assisted analytics, operational insights, and