

Wenceslaus Dsilva

CTO | VP ENGINEERING | TECHNOLOGY EXECUTIVE

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Summary

Technology executive and hands-on architect with **20+ years of experience** building and scaling SaaS, consumer, e-commerce, fintech, education and enterprise platforms. Former CTO across multiple growth-stage businesses, combining **technology strategy, engineering leadership and deep expertise in AWS, distributed systems, AI and high-concurrency platforms**.

Experienced in building engineering organizations, recruiting technical talent, managing external technology partners and translating business objectives into scalable product and platform strategies.

Selected Impact

- **40%** YoY cloud infrastructure cost reduction
- **85%** Core system runtime improvement
- **99.99%** Production platform availability
- **100K+** Users supported at Rooftop

Core Expertise

🔍 Technology Leadership

Technology Strategy, Engineering Organization Scaling, Technical Roadmaps, Architecture Governance, Cross-Functional Leadership, Vendor & Stakeholder Management, Agile & DevOps Transformation, Cloud Cost Governance, Engineering Hiring, Product & Engineering Alignment

🏗️ Architecture & Platforms

Distributed Systems, Event-Driven Architecture, Serverless, Microservices, High-Concurrency APIs, Real-Time Systems, Zero-Downtime Deployments

☁️ Cloud & Infrastructure

AWS, Lambda, API Gateway, ECS, RDS, DynamoDB, S3, CloudFront, Docker, Linux, CI/CD, GitHub Actions

🧠 AI & Data

LLM & RAG Architectures, Agentic AI Workflows, Computer Vision Integration, Elasticsearch, Redis, PostgreSQL, MySQL, MariaDB

</> Technical Engineering

Python, TypeScript, Node.js, PHP, Laravel, Yii2, Go, Flutter, REST, WebSockets, OAuth2, RBAC

🔒 Security & Compliance

PCI-DSS, Authentication & Authorization, Data Isolation, Secure API Architecture

Experience

SloMo Experiences Private Limited — Rooftop / Rajasthan Studio

Mumbai/Jaipur
Jan 2022 – Apr 2026

*Spearheaded technology strategy, engineering execution and platform architecture for a cultural art and experiences platform **serving 100,000+ users and supporting approximately 30,000 monthly transactions**.*

- Architected and executed a **serverless, event-driven AWS platform** using Lambda, API Gateway, DynamoDB and CloudFront, improving core system runtime by **85%** while reducing annual cloud infrastructure spend by **40% YoY**.
- Led development and integration of **AI-driven creative tooling and intelligent discovery capabilities**, contributing to a **60% increase in daily active user engagement** while maintaining **90%+ customer satisfaction**.
- Directed end-to-end engineering across **web and Flutter mobile applications**, introducing domain-driven design, automated testing and structured architecture practices.
- **Recruited and onboarded 20 engineers during tenure and managed 10 external technology vendors/agencies**, coordinating internal and external delivery against product and technology priorities.
- Managed technology infrastructure, software and vendor spend while maintaining cost discipline as the platform scaled to 100,000+ users and 30,000 monthly transactions.

- Partnered with business and product stakeholders to translate product objectives into technology roadmaps, architecture decisions and execution plans.

3CAD Hospitality LLP — Fooddarzee / Coachedarzee / Bakeddarzee

Mumbai

Chief Technology Officer

Aug 2019 – Dec 2021

Directed the technology division across multiple customized health, nutrition, and e-commerce verticals.

- Architected a proprietary enterprise resource planning platform automating nutrition calculations, kitchen production scheduling and cold-chain logistics, significantly reducing manual operational effort and improving workflow efficiency.
- Led a hybrid engineering model combining internal teams and external development partners while maintaining common engineering, quality and delivery standards.
- Modernized deployment workflows through **GitHub Actions CI/CD**, reducing release cycles from days to hours while achieving **zero deployment rollbacks**.
- Architected high-throughput **subscription billing and multi-warehouse inventory systems** using MySQL and Redis, supporting **99.99% uptime**.
- Worked across technology, operations and business stakeholders to translate operational requirements into scalable systems and automated workflows.

EasyTech Innovations Private Limited (OnFees)

Mumbai

Chief Technology Officer

Feb 2019 – Jun 2019

Led technology operations and client delivery for a SaaS-based education fee-processing and campus ERP platform.

- Re-engineered core database schemas and API endpoints for the OnFees SaaS platform, improving transactional throughput during peak admission periods.
- Restructured client delivery processes across multiple institutional ERP deployments, improving on-time project delivery by **60%**.
- Audited legacy systems and strengthened **RBAC, security controls and automated database backup processes**.
- Worked across product, engineering and client teams to improve platform reliability and delivery execution.

IndieFolio

Mumbai

Chief Technology Officer

Jun 2015 – Dec 2018

*Led technology architecture and engineering strategy for a creative-professional network serving **hundreds of thousands of users across 20+ interconnected digital properties**.*

- Designed and maintained multi-tier platform architecture supporting **hundreds of thousands of users across 20+ online properties**, maintaining **99.99% uptime**.
- Built a high-throughput **AWS Lambda media-processing pipeline** for automatically resizing, compressing and transcoding **millions of creative assets**, reducing S3 storage and egress costs.
- Designed and implemented a proprietary **Creative Quotient ranking algorithm** spanning **110 creative disciplines**, using multidimensional engagement telemetry to rank talent and projects.
- Architected an **Elasticsearch-based visual search platform** using custom HSL/HSV color-space matching for real-time discovery of creative work by palette.
- Built a real-time messaging platform using **WebSockets, OAuth2 authentication and RBAC-based data isolation**.
- Owned the platform architecture from inception through scale, spanning application infrastructure, search, media processing, authentication and real-time communication.

Prior Technical Leadership & Engineering Roles

2006 – 2015

CouponDunia | *Sr. Web Developer (Jan 2015 – Jul 2015):* Architected the backend and RESTful APIs for the CashBoss Android application; developed core coupon engine backend modules using Yii2.

ePaisha Services | *Software Architect (Jul 2013 – Nov 2014):* Architected secure, PCI-DSS compliant payment processing environments; designed Dugna multi-factor authentication (MFA) systems and an AWS-based distributed render farm for Voodle.

EduGates & Madar International School | *Computer Programmer & IT Lead (Dec 2009 – Feb 2013):* Built and deployed custom School Management ERPs; automated deployment scripts across multi-server environments.

Tata Consultancy Services & WNS Global Services | *Analyst Programmer (Oct 2006 – Nov 2009)*: Automated medical and market research data processing through advanced Shell scripting, SPSS, and Quantum.

Selected Technical Work

AudioBook Maker (Python, Streamlit, gTTS)

Open-source utility converting multi-page document PDFs into structured audiobooks with automated chapter extraction.

Enterprise Yii2 Advanced Application Template (PHP, Docker, Elasticsearch, OAuth2)

Production-grade multi-tier starter architecture featuring RBAC, OAuth2 authentication, Elasticsearch logging, and multi-channel notifications.

Serverless GitHub Kanban Automation (AWS Lambda, JavaScript)

Automated event-driven webhooks for managing project issues and board status transitions via serverless functions.

Publications

DUKPT Key management and Triple DES Yii extension Jan 2014

Education

University of Mumbai Bachelor of Science
Information Technology Mumbai • Jun 2003 – May 2006

Certifications

Building Conversational Experiences with Dialogflow Jan 2020
Coursera

Complete Guide to Elasticsearch 2017
udemy