



Leonard Navarez

Senior Full Stack Developer
& SaaS Architect

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TECH STACK

FRONTEND & MOBILE

ReactJS

NextJS

VueJS

Angular

TypeScript

Flutter

Ionic

Electron

BACKEND & ARCHITECTURE

Node.js

NestJS

PHP (Laravel/Yii)

C# / .NET

REST APIs

MEAN / LAMP

Docker

DATABASE & SERVICES

MongoDB

PostgreSQL

MySQL

MSSQL

SQLite

Stripe / PayPal

Paymongo

EDUCATION

BS, Information Technology

Dalubhasaan ng Lunsod ng San Pablo

2007 - 2011

PROVIDER TRAITS

- ✓ Adaptable & Resilient
- ✓ Rapid Prototyping

- ✓ Client Relationship Builder
- ✓ Self-Motivated Problem Solver

Executive Summary

Results-driven Senior Software Developer and SaaS Architect with over 8 years of experience engineering scalable web, mobile, and desktop applications. Specializing in modern JavaScript frameworks (Node.js, React, Angular) and full-stack environments (MEAN, LAMP, .NET). Proven track record of architecting end-to-end solutions, from high-performance multi-tenant web applications and automated bot integrations to hardware-synced monitoring systems.

"Either I will find a way, or I will make one." — Embodying a resourceful, observant, and detail-oriented approach to software development, dedicated to creating robust systems that drive business value.

Notable SaaS & System Architectures

🏗️ Automotive LMS Modernization & AI Integration

AdvancedLocal / AVlonDemand

System Modernization Security API Integrations AI Adoption

- ✓ Leading the technical modernization of AVlonDemand, a nationwide automotive training LMS (serving auto repair centers, schools, and parts manufacturers since 1994).
- ✓ Contracted via AdvancedLocal (a top-tier Utah-based digital agency) to architect custom solutions, bridging legacy infrastructure (est. 2009) with modern tech stacks.
- ✓ Enhancing platform security, managing multi-platform integrations, and spearheading the adoption of AI technologies to accelerate system capabilities and scale content delivery.

Tap N' Swipe Hub (edu.tnshub.net)

Tap N' Swipe

Node.js

TypeScript

MongoDB

WebSockets

RFID Hardware

- ✓ Architected a comprehensive multi-school/campus management system integrated with real-time hardware monitoring.
- ✓ Engineered an IoT-based attendance system using RFID cards with AT Command SMS gateways for real-time text alerts to parents and staff across all networks.
- ✓ Features include video recording/screen capture upon ID tapping, remote kiosk configuration, multi-level scheduling, and bulk SMS blasting, ensuring zero-maintenance onsite operations.

Enterprise Logistics & Supply Chain Suite

Proprietary Products

Logistics

Inventory Management

Real-time Tracking

Interactive Maps

- ✓ **Delivery Management System:** Developed a robust system for tracking deliveries, managing dispatch routes, and providing real-time status updates for commercial logistics operations.
- ✓ **Supplier & Hardware Eco-System:** Architected a comprehensive digital ecosystem for managing complex supplier relationships, hardware inventory syncing, and procurement workflows.
- ✓ **7-Eleven Laguna Convenience Map:** Developed an interactive mapping platform serving as a convenience companion across the province. Engineered to help users explore Laguna's towns, find nearby 7-Eleven stores, and discover top attractions—delivering "Everyday Convenience. Everyday Cravings." all in one place.

Project Management Automation Bot (VIZBOT)

Vizion Inc.

Node.js

REST APIs

Webhooks

Trello API

- ✓ Developed an automated integration bot designed to aggregate and organize multiple board teams into a single centralized master board.
- ✓ Streamlined workflow for Project Managers by providing real-time daily reports and automated monitoring across tagged boards.

Interactive Wayfinding & Passenger Kiosks

Soft Touch IT / RTA

WPF / C#

PHP / MySQL

Google Maps API

WebGL

- ✓ Developed interactive passenger information kiosks for Dubai's RTA, featuring dynamic metro mapping, fare calculation, scheduling, and analytics tracking.
- ✓ Engineered 2D/3D multi-touch wayfinding software for Cairo Festival City, complete with a custom CMS, semantic search engine, and multi-floor pathfinding algorithms.

Professional Timeline

Systems Modernization Architect / Developer

AdvancedLocal | 2024 - Present

Partnering with AdvancedLocal (a full-service digital marketing agency) to drive the technological advancement of AVIonDemand, a premier automotive industry training platform.

- Modernizing a massive legacy educational platform catering to service centers, parts distributors, and automotive schools nationwide.
- Responsible for critical system security audits, building multi-platform integrations, and resolving complex architectural technical debt.
- Introducing AI-driven custom solutions to rapidly accelerate the platform's modernization and catch up with modern tech standards.

Lead Full Stack Developer & Architect

Tap N' Swipe Enterprises | Feb 2017 - Present

Spearheaded the technical architecture for educational technology and real-time attendance systems.

- Engineered a comprehensive multi-school management system (edu.tnshub.net) integrated with real-time IoT RFID hardware.
- Developed complex features including automated SMS gateways for parents, screen capturing upon ID tap, and a centralized admin interface.

Senior Software Developer

Vizion Inc. | Las Vegas, NV (Remote) | Jan 2016 - May 2024

Led backend automation development to streamline project management operations.

- Architected VIZBOT, an automated Trello integration bot consolidating data across multiple disparate team boards into a unified view.
- Automated daily reporting and monitoring workflows, significantly reducing administrative overhead for Project Managers.

Software Developer

Soft Touch IT Infrastructure | Dubai | Jul 2013 - Dec 2015

Spearheaded the development of high-profile interactive systems for enterprise clients across the UAE and Egypt.

- Created the E-Message Board and Interactive Video Presentation software for Gitex 2014 featuring multi-touch capabilities, signature capture, and smooth UI animations (WPF, XAML, LINQ).

Earlier Web Development Roles

Philippines | May 2011 - May 2013

- **QuapAccent Inc. (2012-2013):** Web Developer utilizing LAMP stack.
- **Golets Travel Inc. (2011-2012):** Web Developer maintaining and expanding digital travel booking platforms.