



DOMMONIC NELSON

Operational Infrastructure Architect
Product Deployment & Systems Architecture

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Houston, Texas



PROFESSIONAL SUMMARY

Operational Infrastructure Architect and Lean Six Sigma–certified systems builder with experience leading high-accountability operations inside a billion-dollar autonomous vehicle company and founding multiple ventures across technology, consumer products, and community development.

Inventor of The Yummy Box® (U.S. Patent 10,997,548 B2), a patented restaurant infrastructure platform that has processed more than 42,000 verified automated transactions in live restaurant environments.

Specializes in designing operational frameworks, deploying infrastructure systems, and aligning product development, workflow architecture, and financial models to support scalable growth in both enterprise and founder-led organizations.

OPERATIONS MANAGER

Nuro

Houston, TX | Dec 2022 – May 2023

Provided operational leadership for a team of 17 Autonomous Vehicle Operators, Safety Drivers, Mappers, and a PM Shift Supervisor at Nuro’s Houston Depot while collaborating cross-functionally with Product Management, Research, and Fleet Operations teams supporting commercial partnerships with Chick-fil-A, FedEx, Kroger, and Uber Eats.

Responsible for daily mission execution, workforce management, scheduling, training coordination, and operational process improvement in support of autonomous delivery deployments.

Key Achievements

- Promoted from Shift Supervisor to Operations Manager within 10 months based on performance and leadership impact
- Received Outperforming ranking in 2022 and 2023 performance reviews

CORE INFRASTRUCTURE CAPABILITIES

- Operational Framework Design
- AI-Enabled Workflow Automation
- Product Deployment & Multi-Site Operations
- Infrastructure Systems Architecture
- Intellectual Property Strategy & Asset Development
- Entity Structuring & Compliance Systems
- Financial Workflow Optimization
- Cross-Functional Product Development
- Go-to-Market Infrastructure

CORE OUTCOMES DELIVERED

- **Inventor of U.S. Patent 10,997,548 B2**
- Built restaurant infrastructure platform processing 42,000+ verified automated transactions
- Reduced software rebuild cost \$92,500 → \$510 (99.45% reduction) through AI architecture redesign
- Led operations for 17 autonomous vehicle operators supporting commercial delivery pilots
- Executed 32 operational process improvements within 10 months at Nuro
- Promoted from Shift Supervisor → Operations Manager in under 10 months

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- Led operational oversight for a team responsible for daily autonomous vehicle mission execution and deployment readiness
- Completed 32 operational improvement initiatives within a 10-month period
- Contributed testing and operational feedback for True Single Driver Software, supporting new vehicle policy implementation and autonomous mileage targets
- Four out of five members of the Houston Winter Sprint recognition program were direct reports

Shift Supervisor / In-Vehicle Team Lead

Nuro | Houston, TX | Feb 2020 - Dec 2022

Provided operational leadership for a workforce of 45 Autonomous Vehicle Operators, Safety Drivers, and Mapping Specialists across two dispatch stations supporting autonomous vehicle testing and commercial delivery programs.

Collaborated with Product Management and Research teams to support delivery partnerships with FedEx, Kroger, 7-Eleven, CVS Pharmacy, Walmart, and Domino's Pizza.

Responsible for workforce management, operational scheduling, performance development, and real-time mission coordination.

Key Achievements

- Managed operational coordination across two autonomous vehicle dispatch stations
- Led workforce communications initiatives improving team engagement and operational clarity
- Received Outperforming performance review ranking (2022)
- Led multiple process improvement initiatives supporting vehicle deployment efficiency

Autonomous Vehicle Operator / Quality Assurance Tester

Nuro | Houston, TX | 2019 - 2020

Conducted real-world operational testing of autonomous vehicle software and hardware systems while collaborating with engineering teams to improve reliability and operational performance.

Responsible for system monitoring, troubleshooting, data logging, and mapping activities supporting autonomous vehicle development.

Key Achievements

- Named Employee of the Month - November 2021
- Ranked #3 in Houston for autonomous miles driven (192 miles) during December sprint
- First Houston team member selected to test True Single Driver Software during policy transition
- Provided operational feedback contributing to development of an internal productivity application adopted by the team
- Led Houston team in simulation miles during Q3-Q4 2020 testing cycles

Founder & Product Architect

The Yummy Box®, LLC | Houston, TX | 2014 - Present (Independent venture)

Inventor and product architect of a patented restaurant infrastructure platform automating order verification and secure off-premise pickup.

Developed a plug-and-play physical and digital system that standardizes the final stage of the restaurant fulfillment process, reducing order theft, minimizing staff interruption, and improving operational flow for high-volume pickup environments.

The platform integrates hardware infrastructure, automated verification software, and operational workflow systems designed for fast-casual restaurant brands managing significant off-premise demand.

Key Achievements

- Deployed live infrastructure supporting 42,000+ verified automated order pickups, including 33,000+ transactions at Gatlin's BBQ in Houston, validating real-world operational performance
- Re-architected and rebuilt the platform using an AI-assisted development workflow and modern cloud stack (Next.js, Supabase, Twilio, Lovable Cloud), reducing rebuild cost from \$92,500 to \$510 (99.45% reduction) while eliminating technical debt and external developer dependency
- Invented and secured U.S. Utility Patent 10,997,548 B2 for automated order verification and controlled pickup infrastructure
- Built hybrid revenue model combining hardware infrastructure, SaaS subscriptions, and enterprise licensing
- Designed plug-and-play deployment architecture requiring no structural restaurant modifications, enabling low-friction adoption for restaurant operators

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- Deployed infrastructure across live restaurant environments validating commercial adoption and operational scalability
- Positioned platform for multi-location franchise deployment and enterprise licensing within the restaurant technology ecosystem
- Recognized through national innovation initiatives including Daymond John, Cisco Webex, Alibaba Manifest Grant, and Houston Business Journal

Co-Founder & Operations Architect

Traplements Beverage Company | Houston, TX | 2023 – Present (Independent venture)

Established a lifestyle beverage brand designed to serve creators, entrepreneurs, and students through community-centered distribution and creator-economy marketing strategies.

Responsible for operational infrastructure design, supply chain coordination, and early-stage brand development supporting direct-to-community product launches and campus-driven marketing initiatives.

Traplements operates as a veteran-led, minority- and women-owned beverage company focused on culture-driven brand building and international market expansion.

Key Achievements

- Designed early operational infrastructure including supply chain coordination and distribution planning
- Coordinated multi-state taste testing and product validation initiatives
- Developed creator-economy marketing framework aligned with campus ambassador programs and cultural storytelling campaigns
- Reduced beverage production lead time from 8 weeks to approximately 2 weeks through vendor coordination and operational improvements
- Built initial product positioning aligned with creator culture, entrepreneurship, and community-driven brand identity
- Executed trademark filing and intellectual property strategy directly with the USPTO without outside counsel

Program Architect

WAFL+, LLC | Houston, TX | 2022 – Present (Independent venture)

Co-founded a community development and workforce education company focused on equipping aspiring entrepreneurs with practical business systems, operational training, and mentorship designed to support sustainable small business ownership.

WAFL+ delivers structured entrepreneurship education through proprietary playbooks, cohort-based training programs, field apprenticeships, and hands-on operational learning experiences.

The company operates with a mission centered on expanding access to entrepreneurship education through its Each One Teach One initiative.

Key Contributions

- Developed structured entrepreneurship training programs focused on operational systems, financial literacy, and project management
- Designed curriculum infrastructure including proprietary business playbooks and cohort-based learning frameworks
- Built hands-on apprenticeship model combining real-world project experience with structured mentorship
- Implemented membership-based education model supporting recurring revenue and scalable program delivery
- Positioned company to support community workforce development and small business creation initiatives

TECHNOLOGY STACK

- AI Workflow Automation
- Next.js
- Supabase
- Twilio
- Stripe
- Lovable Cloud
- Operational analytics

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EDUCATION

Texas Southern University — Houston, TX

- Bachelor of Science (B.S.), Maritime Transportation Management & Security
- Minor: Business Management | Academic Scholarship Recipient
- Selected as the first African American intern for the U.S. Coast Guard in Texas Southern University's 72-year history

State University of New York Maritime College — Bronx, NY

Graduate Studies in International Transportation Management (M.S. Program)

EARLY OPERATIONS & LOGISTICS EXPERIENCE

Product Development & Supply Chain Lead (Sleepy TeePees, LLC | Houston, TX | 2015-2017)

- Led product development, manufacturing sourcing, and go-to-market strategy for a consumer product venture
- Raised \$25K in seed capital and advanced product from concept to North American market launch
- Reduced manufacturing cost 70% through supplier negotiation and coordinated early IP protection efforts

Logistics Supervisor (Walmart Distribution Center | 2010-2013)

- Managed team of 20 employees supporting high-volume retail distribution operations
- Maintained 99.9% production performance and improved dock utilization 55% through loading optimization

PROFESSIONAL CERTIFICATION

Lean Six Sigma Certification

Process improvement methodology focused on operational efficiency, quality control, and workflow optimization.

Biz to Empower (Government Procurement)

Root Cause Analysis by Karen Mead

Global Data Privacy Certification

INTELLECTUAL PROPERTY

- U.S. Utility Patent: 10,997,548 B2 | Automated order verification and controlled pickup infrastructure system | Inventor and patent holder for The Yummy Box® restaurant technology platform

RECOGNITION & AWARDS

- InterCon Top 50 Tech Visionary Award
- Alibaba Manifest Grant Recipient
- Selected among 50 companies nationwide from more than 23,000 applicants
- Innovation Recognition - Acknowledged through entrepreneurship and technology initiatives associated with Daymond John, Cisco Webex, and Houston Business Journal

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To the Leadership Team

I specialize in designing operational infrastructure that allows organizations to scale complex systems with clarity, discipline, and measurable execution.

As a Lean Six Sigma–certified operator and founder, my work operates at the intersection of operational architecture, product deployment, and enterprise execution. In addition to supporting established organizations, I apply these same systems principles to ventures I build and advise.

I have led high-accountability operations inside a billion-dollar autonomous vehicle company and architected the infrastructure behind The Yummy Box® (U.S. Patent 10,997,548 B2), a physical-digital platform that has processed more than 40,000 verified automated transactions.

Across both enterprise and founder-led environments, my focus remains consistent: installing structured systems that reduce operational friction, clarify financial workflows, and support durable growth.

My work spans operational framework design, AI-enabled automation, IP-backed asset strategy, entity structuring, and cross-functional product deployment across multiple industries including technology, real estate, and consumer products.

Organizations often reach a point where growth requires more than effort – it requires infrastructure. My role is to design and implement the systems that make that growth sustainable.

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I welcome conversations with leadership teams seeking disciplined operational architecture capable of supporting long-term scale.

Sincerely,
Dommonic Nelson



Operational Infrastructure Architect

- Founder + enterprise experience
- Operational scale
- Cross-functional execution
- Systems thinking

