

AI & AGENT INFRASTRUCTURE ENGINEER

Anthony B. Tedesco

AI & Agent Infrastructure Engineer

I build the infrastructure that lets AI agents own real work.

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Remote · US-hours compatible

mattrickslauer.com

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2019

BUILDING SINCE

SAA-C03

AWS CERTIFIED

5

LIVE PRODUCTS SHIPPED

4

COMPANIES CO-FOUNDED

POSITIONING

I design and ship agent-native systems in production. Nucleus Brain is an open-source agentic-infrastructure platform — native MCP transport across Claude, Anthropic, and OpenAI, a real-time NodeGraph, RAG retrieval, scheduled agent passes, and a Neo4j knowledge graph — running on a multi-tenant k3s cluster with 15+ live instances. In DerbyFish I put applied CV and LLM verification on the critical path and exposed a 40-model analytics warehouse to agents over MCP.

SELECTED WORK

AGFarms LLC — Nucleus Brain

Founding Engineer · 50/50

Mid 2024 - Present · venture studio · agfarms.dev

Author of record on the studio's production portfolio. Built **Nucleus Brain** (open-source, 2,216 commits) — an agentic-infrastructure platform with native MCP transport (Claude / Anthropic / OpenAI), a real-time NodeGraph, RAG retrieval, CronJob agent passes, and a Neo4j knowledge graph — deployed on a hand-rolled **k3s cluster** (Hetzner, 15+ namespaces). Also the Walleye Fest tournament portal (Rust + Next.js) and studio products (Happy Swims, Patagonia Moto, AGFPay).

Verified Fishing, Inc.

Founding Engineer

Apr 2026 - Present · Delaware C-Corp · derby.fish

Full-stack mobile platform plus AI catch-verification for competitive fishing, **built end-to-end by two engineers** across 20+ repos. One Expo / React Native / Next.js codebase ships to iOS, Android, and web over real-time Python + Node.js WebSocket APIs. AI verification stack (YOLO + OpenAI Vision over a 419-species DB), on-chain Fish Cards on Flow, and a 279-migration data layer (100+ tables, 300+ RLS policies) feeding a 40-model dbt medallion exposed to AI agents over MCP.

Roley Inc.

Founding Engineer · solo

2023 - 2024 · casting-automation SaaS · 14 repos

Started the company alone and wrote every line. A fleet of ephemeral applier agents podded into Docker and orchestrated on a Kubernetes setup I built auto-applied to acting roles across fragmented casting platforms. Actors loved it; the platforms blocked the bots into the ground. `messenger-roley` alone: 1,522 commits.

Interactive Patagonia SpA

Co-operator

2025 - Present · LATAM operations

Built and run the full booking suite for a bike & motorcycle rental fleet — Segway Xyber, e-bikes, and motorcycles — for a Chilean SpA at the bottom of Patagonia.

Toll Road Music (ETHGlobal Buenos Aires) — pay-as-you-go streaming on x402 + Filecoin + Coinbase embedded wallet · **PUQ City** — digital-city platform: React Native 0.81 / Expo 54, Dynamic Labs passkey wallets, Solidity, Uniswap V4 SDK, Mapbox.

SIGNALS

Production MCP, not demos

Custom FastMCP transport exposing a 40-model warehouse and agent tools.

CV + LLM on the critical path

YOLO + OpenAI Vision verifying real user submissions over a 419-species DB.

Multi-agent orchestration at scale

15+ namespaced agent instances, CronJob passes, Neo4j knowledge graph, RAG.

TECHNICAL RANGE

AI & web3	MCP transport (FastMCP), Claude / Anthropic / OpenAI SDKs, Nucleus orchestration (NodeGraph + RAG + agent CronJobs); Flow NFTs, x402, Filecoin, Hardhat, Uniswap V4, Dynamic Labs
Backend & data	Node.js, WebSockets, FastAPI / Express, Supabase + Edge Functions, dbt medallion pipelines, applied CV (YOLO + Vision APIs), AWS IVS / Rekognition
Infra	Live k3s cluster (Hetzner, 15+ namespaces, traefik, StatefulSets, CronJobs), Docker / Helm, nginx, GitHub Actions, Linux (Fedora)
Languages	TypeScript, Python, SQL (PostgreSQL / PostGIS / TimescaleDB), Rust, Go, Solidity, Bash
Frontend	React Native (Expo SDK 54), Next.js 14/15, React 19, Tailwind, Three.js / R3F, Mapbox

WHAT I'M LOOKING FOR

Remote-first — full-time or contract, available immediately. US-hours compatible and comfortable across US and LATAM time zones.

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Self-taught — years of building original products end-to-end, from first idea to production. References and a deeper portfolio available on request.