

Michael Martiradonna

Schererville, IN • remote |

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Implementation & Solutions Engineer • Data migration, integrations, Python/SQL • AWS Certified Cloud Practitioner • Previously held Top Secret (2013) and Secret (2023) clearances; eligible for reinvestigation

Five years moving customers and their data onto new systems and keeping them working: a CRM and course-platform migration for a fitness business, device fleets for hotel chains, and 100–150 tickets a week for clinical staff at a federal medical center with 100% satisfaction. I build the tooling too: a fail-closed migration validator, a containerized ML service with CI, and a rules-driven coaching app with 350+ tests. Seeking a remote implementation or solutions role where customer data has to land correctly the first time.

Technical projects

Cutover: fail-closed data migration toolkit

2026

Python, YAML, SHA-256, S3 • github.com/MichaelMartiradonna/cutover

- **Problem:** a legacy export has to land in a new system with nothing silently fixed, dropped, or merged, and someone has to sign off.
- **Built:** a five-stage pipeline (validate, map, reconcile, verified S3 upload, runbook) driven by reviewed YAML rules and mappings; every stage refuses to overwrite, repairs nothing, and blocks the handoff on any failure.
- **Proof:** 34 automated tests; two worked examples (a 200-row tenant export; a 150-row legacy parts list into a cloud table) with byte-for-byte field comparison and checksum verification; independent code review passed.

Ames Home-Price Lab: ML service, end to end

2026

scikit-learn, MLflow, DVC, Streamlit, Docker, GitHub Actions • [live demo](#) • [video, 5:45](#) • github.com/MichaelMartiradonna/ames-housing-mlops

- **Problem:** turn a 2,930-row housing dataset into a price estimator a non-technical user can run and trust.
- **Built:** training-fitted preprocessing, five tracked experiments with validation-based selection, an exported pipeline with a checksum manifest, a reviewable form with explicit defaults, Docker, and CI running tests, training, and a container check.
- **Proof:** MAE \$17,765 on 586 held-out homes, 72% below the median baseline; 83 tests; graded 91/100 with a Docker bonus; hosted demo runs with no API keys.

Gym Swap: rules-driven exercise substitution app

2026

JavaScript, esbuild, retrieval over reviewed notes • gymswap.seeform.ai • github.com/MichaelMartiradonna/gym-swap-demo

- **Problem:** when a planned exercise's equipment is busy or missing, give a safe swap with the tradeoffs explained, without a model inventing coaching advice.
- **Built:** a deterministic rules engine over 133 exercises and 270 reviewed comparisons, equipment-readiness logic, a workout importer, and an explanation service that only cites reviewed notes; shipped Lab-first with phone acceptance checks.
- **Proof:** 357 automated tests in the source suite; published 2.8.1; public read-only demo with the frozen app modules verified byte-identical to the reviewed release.

Experience

IT Helpdesk Technician

12/2023 – 12/2024

Captain James A. Lovell Federal Health Care Center (VA) • North Chicago, IL

- Resolved 100–150 tickets a week for clinical and administrative staff with 100% user satisfaction; two Bravo Zulu commendations for professionalism under pressure.
- Provisioned and managed user assets in Active Directory and ServiceNow under federal change control; diagnosed hardware, network, and access issues where downtime meant patient-care disruption.

IT Technical Manager & Sales Support Specialist

2021 – 2023

Private Lending Group • remote

- Launched a text-based lead-qualification automation saving the sales team 10+ hours a week; directed contractors on web and CRM work and mentored staff on CRM data hygiene.

Junior Infrastructure Apprentice

08/2022 – 12/2022

Cloud5 Communications • remote

- Pushed updates and remote resets across device fleets for major hotel chains; automated error reporting and resets, removing tens of hours of manual work a week.

IT Strategist & Technician

2017 – 2020

Elite Fitness • remote

- Led the migration of client records, scheduling, and course content onto a new CRM, mobile app, and education platform; validated every batch before cutover so no client lost history.
- Integrated Zapier, Manychat, and ActiveCampaign into one workflow, saving 80+ hours a month and lifting client compliance 30%+.

Education and certifications

- **AWS Certified Cloud Practitioner** • Amazon Web Services
- **TripleTen** • Data Analyst (2023) and AI/ML engineering bootcamp; capstone graded 91/100
- **Roosevelt University, Chicago** • 130+ credit hours toward a B.S.; computer science coursework
- NASM CPT, PES, CES • Precision Nutrition Level 1

Skills

- **Implementation:** data validation and reconciliation, CSV/API mapping, checksums, runbooks and go/no-go sign-off, onboarding, training
- **Languages:** Python (pandas, scikit-learn, pytest), SQL, JavaScript (Node), YAML, Git/GitHub Actions
- **Platforms and integrations:** AWS (S3, IAM), Docker, Streamlit, Cloudflare, Microsoft 365, Active Directory, ServiceNow, Zapier, ActiveCampaign, Manychat, MLflow, DVC