

MARGARITA MONTAÑEZ DAVENPORT

Systems Architect · Product · Digital Health · Decentralized Systems

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SUMMARY

Systems architect across physical and digital products. Thirty years clinical. Built a product line seed-to-shelf, redesigned care-team workflow and compensation across a multi-site dental group, and now own a five-surface health platform end to end — discovery, roadmap, authorization model, interface, and the contracts underneath. The constant is designing systems people have to trust with something that matters to them.

SKILLS

Product	Discovery and roadmapping · requirements and success metrics · cross-functional delivery · 0-to-1
Front end	React · TypeScript · design systems · Storybook · tokens and variants · accessibility (WCAG AA)
Decentralized	Solidity · Hardhat · ERC-20 and ERC-721 · on-chain consent and attestation · EIP-6963 wallet integration · Merkle proofs · IPFS
Data	SQL · Python · Pandas · R · Tableau · Jupyter · schema design · ETL
Health systems	HL7 · FHIR · OMOP · EHR mapping · clinical workflow design
Clinical systems	Dentrix · Denticon · Eaglesoft · Open Dental · MacPractice · Archy · tab32 · SoftDent

EXPERIENCE

Founder & Product Lead · Future Systems Lab LLC 2023 – Present

Own product strategy and delivery for a health data platform. Built a wearable data integration against the Google Health API — OAuth authorization, FHIR R4 Observation mapping with LOINC coding, and scoped time-limited access tokens — behind a consent layer where the participant holds a signed, verifiable record of every grant and revocation. Wrote the gap analysis, architecture, and staged adoption roadmap. Eleven contracts authored, deployed, and source-verified on Ethereum Sepolia. Ran the security audit.

Live demonstration: demo.futuresystemslab.io

Practice Operations Lead & Clinical Lead · Riccobene Associates Family Dentistry 2019 – 2025

Traveled between practices in one of the Southeast's largest dental service organizations, standing up hygiene departments in offices that had no provider — building the workflow and compensation model at each site, then handing it off. Apex and Durham roughly a year each. Documented at Durham: per-provider production \$380,710 to \$624,640 annualized from ten months, a 64% increase across four documented years, with department share of office production rising 30.4% to 38.1% — real growth in total office production. Documented figures are from Durham; earlier sites predate a practice-management migration.

Founder & Clinical Director · SunCodes Holistic Health 2018 – 2023

Founded and ran a consumer health product line end to end, formulation through retail, then moved it direct-to-consumer in 2020.

OPEN SOURCE

[bcgov/aries-vcr PR #811 \(merged\)](#) · [openmrs/fhir2 PR #577](#) and [openmrs/fhir2-ig PR #63](#) (under review)

EDUCATION AND CERTIFICATIONS

B.S., Management Information Systems & Business Analytics · Colorado State University, 2026

Certified Blockchain Healthcare Professional · Certified Smart Contract Auditor (Blockchain Council) · Google UX Design · Health Informatics, Johns Hopkins

Member: IEEE · INCOSE · ISC² · AMIA · HIMSS · PDMA