



JUSTIN DEAN
SCADA / IIoT ARCHITECT

CONTACT

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LINKEDIN
in/justindean400m

LOCATION
Houston, TX / Remote

CORE SKILLS

SCADA / HMI

Ignition, CygNet, Wonderware / AVEVA, Telvent OASys, GE IFIX

IIoT / Namespace

MQTT, Sparkplug B, Unified Namespace, HiveMQ, EMQX

Cloud / Edge

Azure IoT, AWS IoT, K3s, NVIDIA Jetson, Node-RED

Software / Data

C# / .NET, Python, JavaScript, SQL Server

AI / ML

TensorFlow, OpenCV, edge inference

Security / Standards

IEC 62443, zero-trust OT, ISA-95 / 101 / 18.2, Purdue model

CERTIFICATIONS

- Inductive Automation Ignition Gold
- Microsoft MCSD
- Microsoft MCSE
- ISA-95
- IEC 62443

EDUCATION

MS, Electrical Engineering
University of Southern California

BS, Electrical Engineering
University of Tulsa

Technical Degree
Oklahoma State University

JUSTIN DEAN

Industrial IoT & SCADA Systems Architect / Oil & Gas

Industrial automation and IIoT systems architect with 25 years designing, building, and commissioning SCADA and control systems across oil and gas, water, manufacturing, and aerospace. Specializes in open, vendor-neutral architecture, Unified Namespace, MQTT and Sparkplug B, and edge-to-cloud integration that turns legacy control into data-driven operations. Proven leader of complex, multi-site programs from design through start-up.

EXPERIENCE

LTIMindtree (LTM Limited)

Current / Houston, TX

Associate Principal, Industrial IoT

- + Lead NexusIQ, the firm's CygNet-to-Ignition SCADA migration accelerator, from architecture through delivery.
- + Advise energy clients on open, Unified-Namespaces-based architecture and Industry 4.0 transformation.
- + Define migration methodology that compresses months of manual point conversion into a guided, repeatable workflow.

Stratavos Integration Group

Current

Founder & CEO

- + Industrial automation, IIoT, and SCADA modernization consulting and platform development.
- + Advance open-architecture approaches that treat legacy control as a data source rather than a ceiling.

Sahoma Controlware

Prior

Founder & CEO

- + Built initiatives integrating IIoT, machine learning, and cloud technologies into traditional industrial controls.
- + Led engineering teams delivering control and automation across energy and manufacturing.

Earlier: SCADA, pipeline, and automation engineering and leadership roles at CSE ICON, UTSI International, Berkana Resources, and Colexas Digital across the energy sector.

SELECTED ENGAGEMENTS

- + Midstream enterprise SCADA modernization onto open Ignition and a Unified Namespace across multiple basins.
- + Multi-basin IIoT cloud integration over MQTT and Sparkplug B, unifying field telemetry into a single namespace.
- + Thousand-plus-well telemetry and measurement system with K3s edge orchestration.
- + Pipeline control system migration off Telvent OASys to AVEVA with a phased, zero-downtime cutover.
- + OT cybersecurity and resiliency program aligned to IEC 62443 and a zero-trust posture.