

Judson Cook

An operations-focused technology and systems leader specializing in the design, governance, and execution of reliable systems in regulated, high-consequence environments.

Judson is an operations-focused technology leader with a background spanning nuclear operations, industrial automation, manufacturing reliability, and enterprise IT modernization and leadership in regulated, high-consequence environments, contexts that demand consistent emphasis on ownership, accountability, and outcome-driven execution where failure is not an acceptable option.

He began his career on a full academic scholarship at the University of Central Florida in 1999, pursuing a dual-focus course of study in both computer/electrical engineering and law before making a deliberate pivot following the events of September 11th to enter the U.S. Navy's nuclear propulsion program. Drawn to operationally difficult, high-performance environments, he completed the Navy's nuclear training pipeline with distinction, combining advanced academic instruction with hands-on qualification in operational reactor systems.

After completing the U.S. Navy's nuclear propulsion training pipeline, Judson served in progressively senior technical and systems leadership roles across both submarine and carrier strike group operations.

In addition to platform-based assignments, he was also selected for shore-based technical roles supporting sensitive, cross-agency operational work, where discretion, judgment, and system integrity were as critical as technical execution. He then later returned to fleet service as the Nuclear IT Operations Manager aboard an aircraft carrier, maintaining full reactor operations qualification while operating in systems governance and assurance roles servicing all members of the carrier strike group rather than hands-on propulsion plant operations.

Throughout his naval career, Judson continuously operated in environments where accountability was absolute, systems were unforgiving, and failure carried real consequence - forming the foundation for his later work in both the regulated industrial and enterprise technology leadership spaces.

After separating honorably from the Navy in 2015, Judson transitioned directly into the civilian industrial automation sector, advancing to Senior Field Reliability Engineer for an ABB robotics partner supporting highly regulated food and pharmaceutical manufacturing environments globally. In this role, he applied nuclear-grade operational discipline to commercial systems, focusing on uptime, validation, and lifecycle reliability.

In 2019, Judson moved into enterprise IT leadership as Corporate IT Manager (CTO-equivalent) for a multi-office civil engineering firm, overseeing infrastructure, systems modernization, cybersecurity, and operational continuity for approximately 250 employees across four locations. He served in this role through a period of organizational transition following the founder's death and subsequent ownership change.

Most recently, he led maintenance and reliability systems enablement within a heavy-equipment manufacturing environment, focusing on translating plant operations into structured, data-driven workflows. His work centered on transforming an underutilized CMMS investment into a functional operating system for maintenance planning, execution, and analysis. This work included defining maintenance policies and governance, normalizing asset and work taxonomies, improving work-order quality, and extending platform capabilities through native configuration and API-based integration. The effort emphasized data integrity, repeatability, and operational relevance - shifting maintenance execution from ad-hoc response toward reliability-informed planning and continuous improvement.

Across his career, Judson has consistently gravitated toward demanding operational environments where ownership, accountability, and outcomes matter more than optics. He is most effective in roles that combine technical depth with operational authority - bridging IT, OT, and executive leadership to deliver resilient, outcome-driven systems.