

William OConnell PMP

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☁ Contract TPM | Cloud Migration Delivery | Regulated Life Sciences

SUMMARY

Contract TPM with **14 years in regulated Life Sciences** delivering **AWS cloud migration and infrastructure modernization**. AWS SAA with hands-on experience building validated, **auditable serverless platforms aligned to GxP / CSV, with a full 21 CFR Part 11-capable workflow** in active development. Partner deeply with Quality/Validation, Security, Architecture, Engineering, and vendors to deliver compliant outcomes.

Scale: \$100M transformation programs • 100K-user migrations • 100+ project-contributors • \$20M+ savings

Core Skills – Cloud/Platform Program Delivery • Cloud Migration & Infrastructure Modernization • RAID/Dependencies • Cross-team & Vendor Coordination • Exec Reporting/Governance • Agile/Hybrid (Scrum; SAFe) • Regulated (Life Sciences/Healthcare). **Technical Skills** – AWS (Lambda, API Gateway, DynamoDB, S3) • Serverless/Event-driven • API & Integration Platforms • Data Platforms/Analytics Enablement • Jira/Confluence

Life Sciences / Biotech – Regulated Delivery: GxP/CSV, IQ/OQ/PQ, 21 CFR Part 11, QMS/CAPA, audit readiness, RTM, risk, change control, cutover/go-live; R&D data governance/IAM.

EXPERIENCE

Technical Program Manager – Cloud & Regulated Systems

O'Connell Cloud & Program Advisory LLC

January 2024 – December 2025, Seattle, WA

- Conceptualized and designed a **serverless Validated Document Control (VDC) platform** for regulated Life Sciences use, translating GxP, CSV, and 21 CFR Part 11 requirements into AWS-native architectural patterns intended for enterprise adoption.
- Delivered a live **non-GxP demo** showcasing GxP-capable document approval workflows, audit trails, and controlled state transitions using AWS Lambda, API Gateway, DynamoDB, S3 (versioned and encrypted), and CloudWatch (**demo available at WilliamOConnellPMP.com**); full production GxP / Part 11 implementation in active development.
- Authored inspection-ready validation deliverables aligned to **IQ/OQ/PQ** principles, including validation strategy, risk assessments, requirements traceability, and audit evidence consistent with FDA inspection expectations.
- **Modernized regulated-cloud and CSV practices** to reflect 2025-era expectations, demonstrating how Life Sciences organizations can adopt cloud-native AWS services while maintaining compliance and data integrity.
- Developed an AI-enabled “**Empathy Filter**” proof-of-concept to demonstrate how regulated AWS architectures can safely support human-centric, patient- and clinician-facing workflows.

Co-Founder & Managing Partner

OCO Investments LLC

August 2019 – December 2024, San Francisco & Remote

- Maintained program management discipline through portfolio governance, RAID management, and vendor coordination across concurrent investment workstreams—ensuring technical delivery skills remained sharp.
- Directed **capital expenditure (CapEx) planning** and vendor contract negotiations for concurrent programs.
- Acted as **single-threaded owner** for cross-functional execution spanning finance, operations, compliance, and delivery.

Technical Program Manager / Delivery Head (FTE)

Roche (based at Genentech)

March 2013 – August 2019, South San Francisco

- Owned a **\$25M/year investment portfolio**, leading delivery 20+ IT Projects across North America and APAC.
- Directed a **\$100M+ global dual-data center modernization** program with **zero unplanned downtime**, materially improving fleet resiliency and business continuity.
- TPM leading delivery coordination and stakeholder alignment for **Roche's Enhanced Data & Insights Sharing (EDIS)** program across Research (pRED/gRED), Personalized Healthcare (PHC), and Product Development (PD) to improve scientific data accessibility within regulated R&D and data governance constraints.
- Led cloud migration readiness and infrastructure modernization (compute, storage, network, identity, platform).
- Partnered with architects, engineers, operations and delivery teams to convert target-state designs into project wave plans, milestones, and cutover readiness for migration execution.

Technical Program Manager / Delivery Lead (Consultant)

Genentech

March 2009 – March 2013, South San Francisco

- OCM Lead for enterprise infrastructure change for a 100,000–user global collaboration platform migration, delivering \$20M+ in operational savings (inc. migration waves, cutover runbooks, hypercare stabilization, decommissioning).
- Led a 20,000–user Windows platform refresh, owning compatibility, security, deployment, and operational cutover.
- Standardized 17 global PMO delivery processes, improving execution, release governance, and operational predictability.

Senior IT Business Analyst (Consultant)

EMI Music

September 2005 – August 2008, London

- Architected a global **enterprise data governance framework** and metadata platform to ensure cross-border data consistency and **provenance tracking** across 43 countries.
- Led global metadata platform design and **data lineage mapping** for 100+ systems, establishing **validation rules** and automated ingestion workflows to ensure **audit-ready** data consistency.

Senior IT Business Analyst (Consultant)

Genentech

February 2002 – March 2005, South San Francisco

- Led analysis of global **GxP, QMS, and CAPA systems** for 5,000+ users against **FDA 21 CFR Part 11** compliance.
- Directed cross-functional requirements gathering to translate complex **compliance SOPs** into validated system workflows, ensuring **Data Integrity (ALCOA+)** and a 100% pass rate in internal/external audits.

SKILLS

Education – B.S., Health Science — San Francisco State University (1997) **Certifications** – AWS Certified Solutions Architect – Associate (Oct 2025) • Project Management Professional (PMP) • Prosci Certified Change Practitioner • Google Data Analytics Professional Certificate (Jul 2025)