

Harry Jones – PMP, PSM I, CEng

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Senior Technical Program Manager | AI/ML Delivery, Cloud Platforms & Complex Infrastructure

Senior Technical Program Manager with 15+ years of experience delivering complex technology and infrastructure programs across AI/ML, cloud platforms and safety-critical systems. Chartered Engineer and PMP with a track record of turning ambiguous objectives into phased delivery plans and aligning technical teams, customers and senior stakeholders. Current work includes DARPA-funded ML delivery, customer validation and MLflow implementation. This is supported by extensive experience in hardware-software integration, AWS telemetry platforms and programs spanning more than 150 technical interfaces.

Core Skills

- **Large-Scale Technical Program Delivery** – Scope, Phased Plans, Milestones, Adoption and Outcomes
- **AI, Cloud & Infrastructure Programs** – ML Platforms, AWS, APIs, Telemetry and Integrated Systems
- **Hardware–Software Integration** – Architecture, Interfaces, Networks, Dependencies and Constraints
- **Customer-Facing Implementation** – Requirements, Validation, Feedback and Acceptance
- **Cross-Functional Leadership** – Engineering, ML, Hardware, Research, Operations and Vendors
- **Technical Trade-offs & Readiness** – Performance, Risk, Schedule, Operational Impact and Release
- **Program Operating Rhythm** – Roadmaps, Governance, Escalations and Executive Communication
- **Tools:** Confluence, MLflow, AWS, GitHub, Python, React, Supabase, MS Project

Work Experience

Technical Program Manager	February 2026 - Present
Silicon Quantum Computing	Sydney

- Lead end-to-end ML delivery for a DARPA-funded quantum computing platform. Coordinate software, ML, hardware and research teams through the testing and validation of quantum machine-learning chips, converting experimental objectives into phased plans, technical milestones and validation criteria.
- Coordinate test programs spanning chip performance, machine-learning workloads and supporting software workflows. Align teams on test readiness, dependencies, expected results and acceptance criteria.
- Established MLflow experiment tracking and delivery workflows, improving visibility across model results, hardware test outcomes, technical dependencies, priorities and emerging risks.
- Coordinate customer validation programs across finance, banking and energy. Translate technical and operational requirements into test plans, implementation priorities, feedback loops and acceptance criteria.
- Facilitate technical trade-off and readiness decisions spanning research objectives, software capabilities, hardware constraints, customer value and delivery timelines.

Senior Technical Project Manager	February 2024 - January 2026
Siemens	Sydney

- Led end-to-end delivery across engineering, product, architecture and specialist vendors to integrate cloud-hosted platforms and manage more than 150 technical interfaces.
- Established delivery governance, dependency tracking, risk controls and readiness reviews across concurrent engineering workstreams.

- Coordinated integration testing, validation, issue resolution and release readiness across cloud, operational technology and vendor subsystems. Balanced schedule, technical constraints and operational outcomes.

Technical Project Manager
Siemens

November 2021 - February 2024
New Zealand

- Owned full-lifecycle customer delivery of cloud-enabled systems, translating requirements into technical scope, phased milestones, Statements of Work, acceptance criteria and delivery commitments.
- Delivered an AWS-based real-time monitoring platform with telemetry ingestion and production dashboards. Used operational feedback to refine system outputs and support reliable adoption.

Technical Project Manager
Siemens

May 2015 - November 2021
London

- Directed customer-facing delivery of Crossrail's GBP 120 million radio package, leading more than 40 engineers and coordinating five to six specialist vendors across complex integrated systems.
- Defined data and control flows and jointly developed interface standards with client engineering teams, creating alignment across multiple technical domains.
- Led multi-team integration workshops that reduced ambiguity and converted evolving system requirements into sequenced, testable outcomes.

Projects

BurnRate · github.com/hwhjones/burnrate

- Designed, built and released a Python tool that validates Claude Code and Codex session data, identifies malformed or duplicated usage records and surfaces AI-agent cost and efficiency patterns. Owned ingestion, validation, analytics, reporting, documentation and GitHub release.

Education and Certifications

- Bachelor of Science and Technology (First Class Honours) – Electronics and Instrumentation
Victoria University of Wellington, New Zealand (2006-2009)
- Certifications: PMP, PSM I, CEng