

Sam Watson

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Address London, UK (SC Cleared)

SC Cleared Integration Architect Lead with 10+ years' experience delivering customer-facing enterprise integration solutions across SAP BTP, SAP Integration Suite and S/4HANA (Public and Private Cloud), connecting SAP and third-party platforms. Experience spans regulated industries including aviation, government, pharmaceuticals/life sciences and financial services, translating discovery and operational constraints into secure, scalable and supportable solutions. Increasing focus on AI-assisted delivery enablement, evolving ways of working from traditional spec handover to inventory-driven, prompt-assisted build and validation with controlled data boundaries and human approval gates to maintain data security and production stability.

Key Skills

Applied AI & Delivery Enablement

- Accelerated build and test cycles through inventory-driven, prompt-assisted delivery workflows, developing integration MCP-style playbooks and reusable assets (templates, mocks, test harnesses and Postman collections) run locally in Docker and deployable to serverless runtimes (AWS/SAP BTP) so teams can move faster and focus effort on edge cases and complex requirements.

Enterprise Architecture & Integration

- Designed and delivered layered/API-led and event-driven integration landscapes across SAP and third-party systems (Coupa, SuccessFactors, Concur, Ariba, Databricks), spanning S/4 programmes and legacy modernisation, with an emphasis on maintainable patterns and clear system contracts.

Governance, Security & Operations

- Delivered in regulated/sovereign-style constraints by designing for data residency, auditability and operational controls, shaping runtime placement and deployment approach, and embedding reliability practices such as observability, safe reprocessing and repeatable validation workflows.

Programme Shaping & Delivery Leadership

- Produced executive-ready roadmaps, estimates and stage-gated plans to secure investment and align stakeholders, while enabling onshore/offshore delivery pods through standards, guidance and repeatable ways of working that improve consistency and reduce rework.

Experience

Jan 2026 - Present **Capgemini: Senior Integration Architect**

[capgemini.com](https://www.capgemini.com)

- Led an AI-assisted modernisation discovery for 60+ interfaces, establishing early inventory sign-off and a structured baseline for sequencing, dependencies and delivery planning.
- Built and used an internally developed control-tower tool (Next.js web UI with SAP UI5 Web Components, Python/FastAPI services, deployed on SAP BTP) to shape and present a wave-based programme, enabling rapid executive approval and allowing the plan to flex around concurrent IT programmes.
- Accelerated Wave 1 build by generating standardised iFlow templates for integration scenarios, enabling offshore teams to apply customer-specific mapping in a controlled manner while keeping sensitive requirements under human handling.
- Introduced an inventory-driven, prompt-assisted delivery workflow (structured interface inputs, AI-generated draft artefacts/templates, consultant validation in Integration Suite) to reduce manual builds while preserving maintainability for support teams.
- Embedded enterprise integration guardrails (observability, error handling, hybrid constraints) into the workflow to prompt consultants for missing inputs and improve decision quality rather than generating complex scripted builds.
- Created automated test harnesses, mock services and Postman collections to accelerate early SIT cycles and shorten feedback loops, enabling earlier focus on edge cases and complex requirements.
- Standardised template-driven build and automated test assets brought build/testing forward and freed time for edge cases, the approach is now being reused by additional delivery teams.
- Presented the approach and outcomes at UK practice forums, generating adoption interest from additional projects seeking to reuse the acceleration model.
- Authored and secured buy-in for a 12-month industrialisation roadmap with stage gates (3/6/9-month checkpoints) to validate outcomes, control costs and guide follow-on investment into scalable hosting and broader use cases.

Jun 2020 - Jan 2026 **NTT DATA Business Solutions: Lead Integration Consultant**

nttdata-solutions.com

- Led on estimations and integration landscape design, applying foresight to forecast resource needs and contingency planning, ensuring on-time delivery of multi-country projects while maintaining transparency and risk mitigation across stakeholders.
- Delivered scalable, API-first integration patterns that align with SAP's cloud strategy when architecting integration landscapes with SAP S/4HANA Cloud Public Edition. Using Postman and 'Test Your Processes' to validate OData and SOAP APIs ensuring robust, business ready integrations.
- Delivered real-time visibility into message flows and triage pipeline by streaming SAP Integration Suite and message logs through Apache Kafka and into Splunk, improving anomaly detection, durable retries, and streamlined root cause analysis across distributed integration landscapes.
- Designed generic, reusable listeners leveraging SuccessFactors Intelligent Service Events through to SAP Integration Suite, auto-routing data to third-party systems and SAP ERP, accelerating partner integrations and reducing build time across other project deployments.
- Introduced AI accelerators to auto-generate UML and architecture diagrams, using LLM-aided design tools for clearer visualisation of complex integration challenges, enhancing stakeholder comprehension, improving cross functional alignment, and streamlining technical reviews and design sign-off.
- Engineered Coupa integrations, managing supplier master, invoice, payment confirmation, and financial data flows with SAP S/4HANA. Following a successful delivery, these flows were packaged into a deployable "Coupa Integration Accelerator" with configurable flow templates and documentation.
- Monitored SAP BTP updates (API, Event Mesh and AI Foundation) and shared adoption-ready guidance internally (Let's Talk Coffee sessions), translating new capabilities into delivery patterns adopted across teams for Multi Bank Connectivity (SWIFT), Document Compliance Reporting (DCR) and SAP Concur.

Apr 2019 - May 2020 **NTT DATA Business Solutions: Integration & Development Consultant**

- Supported SIT/UAT test phases using Azure DevOps for SAP ECC integrations via Azure API Gateway within a university student finance payment programme.
- Supported requirements and API design for exchange rate integrations between SAP and Bloomberg, using SwaggerHub for API documentation and Postman/SoapUI collections to accelerate validation and test execution.
- Understood how SAP Ariba Buying supports business processes in S/4 HANA. Applying this knowledge to make configuration changes accommodating change requests to resolve problems when implementing Cloud Integration Gateway (CIG).

Feb 2018 - Mar 2019 **NTT DATA Business Solutions: Junior Development Consultant**

- Showed expertise in Java transformation as part of inbound and outbound interfaces using REST services automating sales messages via IDocs in SAP. Used SAP Build, Fiori smart elements and UI react components to demonstrate proof of concepts.
- Learnt from a team of senior functional and development consultants as part of a S/4HANA greenfield implementation, taking ownership of Java transformation for IDOC to EDI partner BluJay.

Jun 2016 - Jun 2017 **GE Aviation: Software Intern Cheltenham, GL52 8SF**

geaviation.com

- Followed the V-model development process producing a C# solution to integrate xml payloads for flight software test tool applying ARINC Loadable Software Standards.
- Collaborated with customers on developments, applying the feedback to better meet requirements, whilst working with flight test equipment in labs.

Projects

2017 - Ongoing **Wickham Wave: Swimming Club Operations Platform**

www.wwh.com

- Web/iOS/Android club operations app used by 50+ members for attendance, scheduling, team selection and billing workflows (TypeScript/React + Capacitor), maintained with lightweight ops-health checks and low-touch production support.

Qualifications

2024 Henley Business School (University of Reading) Henley-on-Thames

MSc Management for Future Leaders

Chartered Manager from Chartered Management Institute (CMI)

2016 University of Plymouth

Computer Science (CertHE), Foundation Degree (Computer Systems & Networks)