

Flowmoco

Software & Data Engineering Built For Speed, Scale & Clarity.
Accelerated by AI.

Proudly based in Newquay, Cornwall

flowmoco

Who We Are

Flowmoco is a South West-based software and data-engineering partner, committed to delivering safe, scalable, and compliant systems for organisations in regulated sectors.



Data & Software Engineering

We bring precision and reliability to complex, high-risk systems, ensuring they perform flawlessly.



ISO Accredited

We're certified in AI management (ISO 42001), Information Security (ISO 27001), Business Continuity (ISO 22301) and quality (ISO 9001).



Proven Delivery

We're trusted to build and manage critical platforms handling millions of secure transactions for global enterprises.

Trusted by Technical Teams From *Bodmin to Berlin*

Teams who need speed, scale, and clarity.



Corpay[▲]

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What We Build

Software and data engineering in regulated environments that connects, automates, and accelerates your business.



Data Engineering

Transform scattered information into unified insights. Our pipelines consolidate your messy data into actionable intelligence.



API Integrations

Connecting your core systems so data moves accurately and securely between them. Reducing manual input, improving data quality, and powering automations.



Cloud Architecture

Build resilient infrastructure that meets compliance requirements. Robust systems designed for reliability and security.



Custom Applications

Bespoke web and mobile solutions engineered to grow with your business needs. Built for performance, usability and long-term scalability.

Sectors We Work With



Public Sector/Safety



Payments & Banking



Telecoms



Manufacturing & Production



Environment & NGOs



Embedded Systems



Sustainability & Carbon Measurement



Satellites & Space



Smart Infrastructure & IoT

The Challenge We Solve

We implement transformative technology to business-critical applications.

Navigating Innovation & Compliance

Modern firms require cutting-edge automation and AI, yet cannot compromise on client data security or regulatory compliance.

Sensitive Data Restrictions

Handling sensitive client, case, or financial data severely limits the applicability and adoption of public AI tools.

Overcoming Legacy Systems

Outdated systems and complex integrations generate substantial operational costs, friction, and increase data exposure risks.

Unlocking Data-Safe Automation

The key opportunity is data-safe automation that enhances service delivery, builds resilience, and provides actionable insights within strict governance frameworks.

How Flowmoco Works

We implement a structured approach, progressing from diagnosis to intelligent orchestration and continuous improvement.



Forensic Discovery

We begin with a thorough analysis of your existing architecture to precisely map systems and identify areas for optimisation before recommending any changes.



Intelligent Orchestration

We replace rigid, outdated middleware with agile, scalable microservice systems, enabling seamless integration and superior performance.



Secure Automation

Our solutions provide deterministic and auditable workflows, ensuring full data-governance control and robust security for all automated processes.



Partnership Model

We work collaboratively through an iterative delivery process, constantly aligning our solutions with your evolving business objectives and regulatory landscape.

Service Models

We customise our service offerings to meet the specific needs of our customers. This flexibility has ensured many of our customers have stayed with us for over 12 years.



Support SLA

Available for rapid "emergency" support via a suitable SLA. Contact us by email or phone.



Fixed-Price Projects

Are your requirements and deliverables well defined? A fixed-price project could be the best option.

Case Studies

We build systems that have to work.

Flowmoco partners with organisations where accuracy, compliance, and reliability aren't optional, they're the baseline. From finance to public safety, our software runs in the places where getting it right matters most.

Corpay

Governed AI Agents That Security Approves

The Challenge

Teams want to deploy AI assistants to draft reports, look up data, and automate small operational tasks.

Security and Compliance teams block progress: raw database access was prohibited, audit trails were missing, and ungoverned “shadow bots” were appearing across departments. Result innovation stalled and risk increased.

Our Solution

Governed AI Runtime: a secure on-prem/VPC platform where every agent action runs under user-level RBAC and policy-based approvals.

Immutable Audit Log: all prompts, outputs, and actions are time-stamped and checksum-verified for audit.

Guardrailed Adapters: approved data-access layers ensure agents can only read/write what policies permit.

Templates for Speed: starter agents for report drafting, data lookups, and configuration changes reuse the same controls.

Impact

- Security-cleared AI in production without exceptions
- Faster internal tool delivery (↑ throughput / ↓ ticket backlog)
- Reduced manual ops hours and shadow-IT risk
- Audits passed on first attempt with full traceability

Vodafone

Robust financial data platform, ensuring accuracy and compliance in a complex regulatory environment.

The Challenge

Proving billing and partner settlements were correct was complex.

Production systems were off-limits for direct data access.

Late or out-of-order data feeds led to re-processing and audit delays.

Our Solution

Built an independent, safe "Finance Truth Store" from change feeds.

Deterministic pipelines replayed late data for a single source of truth.

Immutable logs recorded every transaction for full traceability.

Impact

- Faster, safer month-end close and fewer billing disputes.
- Clean audit passes without direct database reads.
- Reduced compute costs and mitigated variance risks.

Ecotalk

Automating Revenue Integrity & Billing Control

The Challenge

Manual daily invoicing for ~300 bills led to significant revenue leakage and compliance risks.

A costly and inflexible legacy system caused frequent issues and data overwrites, hindering agility.

Our Solution

Developed a custom billing and customer-management platform.

Implemented automated invoice generation with comprehensive audit trails.

Established a CI/CD pipeline for fast, secure, and reliable system updates.

Successfully migrated operations off the fragile third-party system.

Impact

- Recovered previously missed revenue and eliminated ongoing leakage.
- Achieved zero missed invoices post-launch, ensuring billing accuracy.
- Gained independent ownership of core intellectual property.
- Realised continuous operational savings through efficient, automated deployment.

Soteria (Internal Project)

Secure AI and data-safe automation, enabling innovation within a strict governance boundary with inference provenance.

On-Premise/Device AI Layer

A local, on-premise AI environment, ensuring innovation happens securely within your existing governance boundary.

Data Masking & Anonymisation

Guarantee sensitive client information is masked and anonymised, preventing it from ever leaving your secure infrastructure.

Empowered Teams

The result: your teams can confidently use AI and automation tools, knowing they are operating safely, ethically, and transparently within regulatory frameworks.

Continuous Governance

Leveraging an ISO-42001 AI management system, we provide continuous governance, ensuring ethical and compliant AI usage at all times.

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