ThetaSeek

AI Financial Automation Playbook

How to automate 30% of finance operations in 90 days using AI

> This executive guide outlines a practical, risk-aware pathway for banks, asset managers, hedge funds, and fintechs to achieve rapid operational impact through AI-driven automation — aligned with audit-ready, production-grade standards.

The 90-day opportunity

Manual processes remain one of the largest cost and risk factors in finance operations. AI automation allows institutions to deliver material improvements quickly without replacing core systems.

Traditional transformation programmes often take 12–24 months and require significant capital. A focused approach can deliver measurable results in 90 days by prioritising high-impact, low-complexity automation that integrates with existing infrastructure.

Our approach

We follow a four-phase framework: **Process discovery**, **Architecture design**, **Deployment**, and **Performance validation**. Each phase is designed to produce audit-ready, production-grade automation.

1 Process discovery

We conduct a comprehensive automation readiness review to identify where automation will deliver immediate results. This includes:

- Mapping current manual processes and quantifying time spent on repetitive tasks
- Identifying data sources and integration points
- Assessing technical feasibility and risk factors
- Prioritising opportunities based on impact and complexity

2 Architecture design

We design production-grade automation that integrates with your existing stack:

- Unified data layers connecting relevant systems
- AI agent workflows for specific processes
- Security, governance, and audit trails
- Scalability and future expansion

3 Deployment

We deploy with minimal disruption:

- Build and configure AI agents for target processes
- Parallel validation alongside existing manual processes
- User acceptance testing with operations teams
- Change management and training

4 Performance validation

We ensure automation meets production standards:

- Validate accuracy and reliability against manual baselines

- Measure time savings and error reduction

- Document audit trails and compliance requirements

- Establish monitoring and continuous improvement

Typical use cases

Our 90-day automation framework applies across multiple financial operations:

Regulatory reporting automation

Automate generation and submission of regulatory reports, reducing manual effort by 70–80%.

Trade reconciliation

Match trades across prime brokers, custodians, and internal systems in near real time.

Document processing (KYC, onboarding)

Extract and validate information from client documents, accelerating onboarding.

Compliance monitoring

Monitor transactions and activities for violations and anomalies continuously.

Data pipeline acceleration

Automate ingestion, validation, and transformation across multiple sources.

Financial reporting automation

Generate periodic reports automatically with integrated, validated data.

Getting started

Begin with an **Automation Readiness Review** to identify where automation will deliver immediate results. Successful engagements often start with a 90-day pilot targeting 20–30% process automation.

The 90-day pilot framework

Weeks 1–2: Process discovery

- Conduct automation readiness review
- Identify top 3–5 automation opportunities
- Assess technical feasibility and data availability

Weeks 3–6: Architecture design

- Design automation architecture
- Plan data integration and security
- Create implementation roadmap

Weeks 7–10: Deployment

- Build and configure AI agents
- Run parallel validation
- Conduct user acceptance testing

Weeks 11–12: Performance validation

- Validate accuracy and reliability
- Measure time savings and error reduction
- Document results and plan expansion

What to expect

By the end of a 90-day pilot, organisations typically target:

- **20–30% automation** of targeted finance operations

- **60–80% reduction** in manual processing time for automated processes

- **High accuracy** in automated tasks, validated against manual baselines

- **Production-grade systems** ready for audit and compliance review

- **A clear roadmap** for expanding automation

Ready to start your 90-day automation journey?

Schedule an Automation Readiness Review to identify where automation will deliver immediate results. We will assess your current operations and outline a tailored 90-day implementation roadmap.

Contact ThetaSeek: thetaseek.com — book a discovery call via our website.