



2025

Application Development



Admin

AI Forge LLC

9/14/2025

CASE STUDY

Client Overview: A Fortune 500 multinational corporation with operations in over 60 countries sought to digitize and streamline its financial audit processes through a centralized, cloud-based module that integrates with its existing ERP and compliance systems. The goal was to reduce manual audits, enhance regulatory compliance, and provide real-time visibility into financial controls.

Duration: 12 Months (Mar 2024 - Mar 2025)

Project Scope

- Develop a secure, scalable, and globally accessible financial audit module that:
- Supports multi-currency and multi-jurisdiction compliance
- Integrates with SAP and Oracle ERP systems
- Provides AI-based anomaly detection
- Enables real-time dashboards and role-based access control

Technology Stack

- Frontend: React.js with TypeScript for dynamic UI
- Backend: Node.js with Express
- Database: PostgreSQL and MongoDB (hybrid for structured + unstructured data)
- AI/ML: Python (TensorFlow, Scikit-learn) for anomaly detection algorithms
- DevOps: Docker, Kubernetes, Jenkins, GitHub Actions
- Cloud: AWS (EC2, S3, RDS, IAM, Lambda)
- Security: OAuth2, SAML, and end-to-end encryption using TLS 1.3

Team Structure

- 1 Project Manager
- 2 Solution Architects
- 3 Frontend Developers
- 3 Backend Developers
- 2 DevOps Engineers



Global Deployment of Financial Audit Module for a Large Corporation

CASE STUDY

- 2 QA Engineers
- 1 AI/ML Specialist
- 1 Business Analyst

Development Timeline and Phases

Phase	Duration	Key Activities
Assessment & Planning	2 months	Requirements gathering, solution architecture, stakeholder interviews
Development	4 months	Development sprints, backend + frontend build, database setup
AI / UAT	2 months	AI model training, integration with ERP systems, UAT with core user groups
Global Rollout Pilot	1 Month	Global rollout in 5 pilot countries
Go-Live & Handover	3 Months	Full deployment, user training, performance tuning

Results & KPIs

- 40% reduction in audit cycle time
- 70% fewer manual interventions
- Full compliance with SOX, IFRS, and local regulations across 60+ countries
- Real-time anomaly alerts with 92% accuracy



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Customer Feedback

AI Forge delivered a game-changing module that has significantly enhanced our financial oversight. The integration with our global ERP and the proactive anomaly detection have helped us prevent errors before they occur. Their agile execution and commitment to quality made a real difference. " – Client Project Manager.

Key Takeaways

This project demonstrates our ability to deliver high-impact, enterprise-grade application development with a strong focus on compliance, performance, and scalability. By leveraging modern technologies and agile methodologies, we empowered our client with a future-ready financial audit tool that adapts to evolving regulatory landscapes.

Ready to offload a key module outside with tight integration with your existing teams? Contact AI Forge for a integrated application development roadmap. Visit our website for all our offerings

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