



How ValueXPA Leveraged AI Automation to Streamline Payroll, Achieving Over 80% Effort Reduction for a Social Commerce Platform

A leading social e-commerce platform and online community hub helping users discover the best online deals. The client's Finance team faced a significant operational challenge managing large volumes of payroll data across four payroll cycles per month, with processes that were time-consuming, manual, and error-prone.

The Problem We Solved

The Finance team received 10–15 GL files per month, each requiring detailed manual processing. Employees spent 35–45 minutes per file converting CSVs to Excel, preparing GL details, generating import files, creating pivot reports, and performing bank reconciliations. In total, this amounted to approximately 540 person-hours annually.

This heavy reliance on manual effort increased operational costs, the risk of errors, and diverted resources from strategic tasks. The client needed an intelligent, AI-driven solution to reduce workload while improving accuracy and efficiency.

What We Did

The core challenge revolved around complex payroll data spanning monthly, weekly, and bi-weekly cycles. We studied the process in detail and generated a concept workflow solution involving smart use of LLMs and Generative AI, Retrieval Augmented generation technique and low-code solutions. ValueXPA implemented AI-driven automation across four key areas:

AI-Powered Payroll Data Processing:

AI algorithms ingested raw CSV payroll files, cleaned and structured the data, and intelligently matched employee details against the master employee list. This automated step eliminated the need for manual preparation and ensured high accuracy.

AI-Driven GL File Processing:

AI processed payroll GL files end-to-end, automatically generating upload-ready files for downstream accounting systems. Pivot tables summarizing payroll costs by department were also generated without manual effort, providing real-time insights.

Automated Import File Generation:

AI produced Import Sheets formatted precisely for the client's accounting software, allocating payroll expenses to the correct accounts and exporting ready-to-upload CSV files, removing manual intervention from the workflow.

AI-Enabled Bank Reconciliation:

Using transaction dates, amounts, and GL account numbers, AI reconciled bank statements against processed GL data, ensuring financial accuracy, compliance, and error-free verification.

In all the above, we developed agents to drive each of the operations with logical orchestration, human-in-the-loop and calling of appropriate tools to achieve end-objectives.



Efficiency & Speed

Speeds up processes by eliminating repetitive manual work.



Accuracy & Consistency

Reduces errors and ensures consistent, reliable outputs.



Scalability & Flexibility

Adapts easily to growing business needs without extra resources

How We Created an Impact

The AI automations reduced annual payroll processing time from 540 hours to under 180 hours or 15 hours per month, an over 66% reduction. Manual errors were minimized, operational costs decreased, and financial accuracy improved. Most importantly, the Finance team was freed to focus on strategic, value-added tasks instead of repetitive manual work. AI automation transformed a cumbersome payroll process into a streamlined, efficient, and scalable workflow, delivering tangible operational and financial benefits.

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