

Diamond Jobwork Management ERP

Licensed Commercial Desktop ERP with Centralized License & Update Control

Developed using:

C# | .NET Framework | Windows Forms | SQLite (Local Database) | Server-Based Update API

Core Capabilities

- Secure license key activation and validation
 - Centralized license and version management
 - Integrated digital invoice sharing (WhatsApp, Email, Telegram)
 - Automated pending bill reminder system
 - Jobwork and workflow automation
 - Advanced billing and financial reporting
 - Real-time dashboard analytics
 - Database backup and recovery system
 - Modular architecture for scalable distribution
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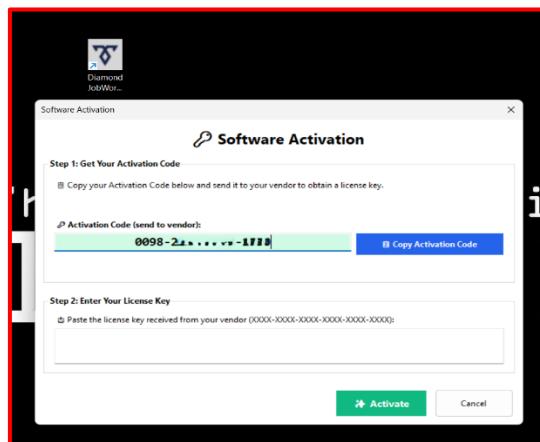
Software Licensing and Activation System

This system is designed as a commercially distributable licensed desktop ERP solution.

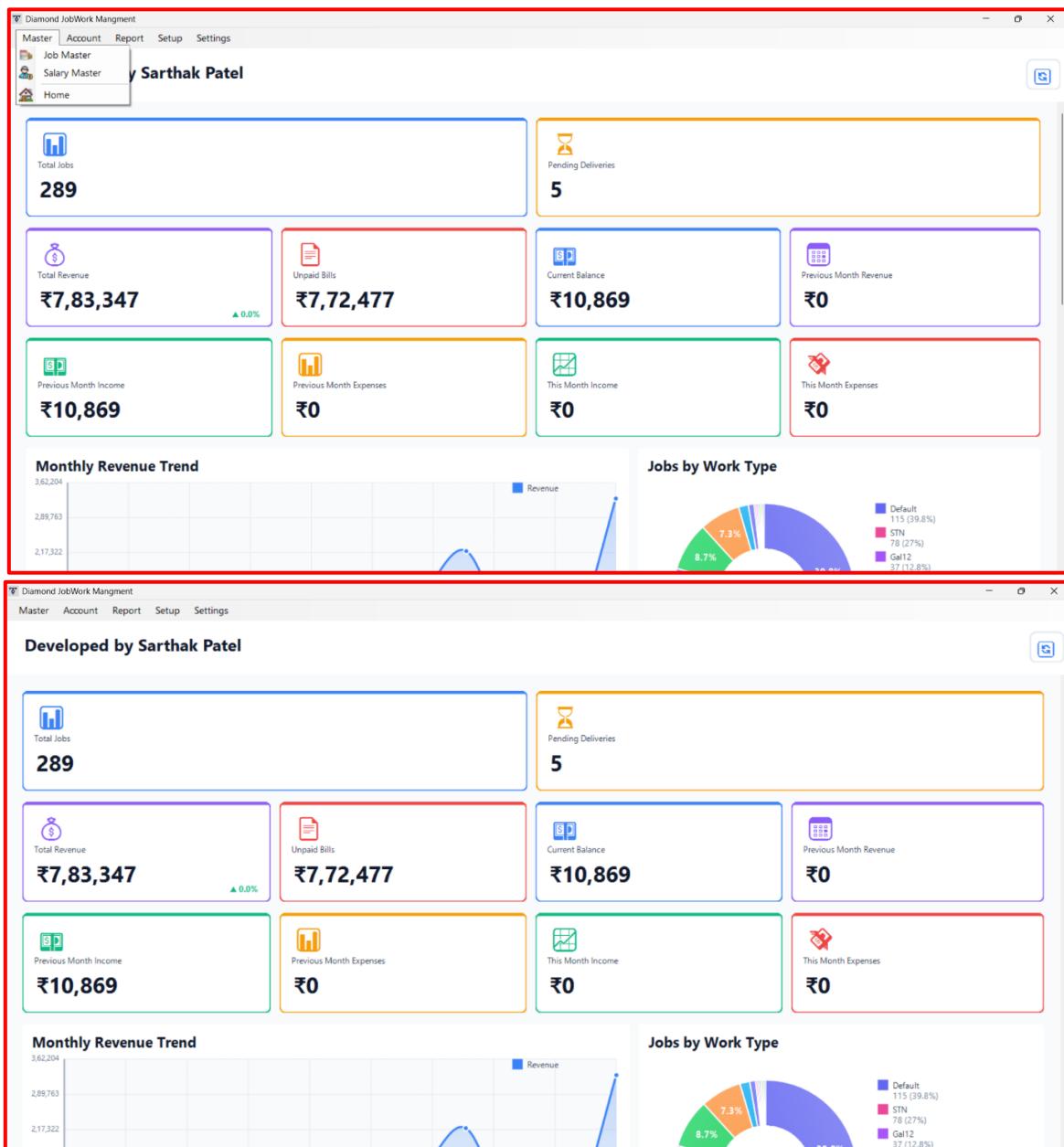
Each installation requires a unique activation key generated and controlled via an administrative license management system. The activation mechanism ensures:

- Authorized installation control
- License duration management (Quarterly / Annual / Custom)
- Secure activation validation
- Controlled commercial distribution

(Software activation system)



(Dashboard with revenue, jobs, analytics)



Dashboard Module

Provides real-time overview of:

- Total jobs
- Revenue tracking
- Monthly performance analytics
- Business insights with charts

(Jobwork entry and employee management)

Diamond JobWork Mangement

Master Account Report Setup Settings

New Job Edit Delete Print Import Export Search Refresh

Total Jobs 289	Jangan No. 361	Party Name	Work Name	Kapan No.	Weight(Ct)
This Month Jobs 0	Date 08-12-2025	Pic	Rate(Rs.)		
Pending Deliveries 5	Job In	Job Out			
This Month Completed 30					
Jangan No.					
Total In Pic 823					
Total Out Pic 538					
Total Return Pic 2					
Total Amount ₹2,936.00					

Diamond JobWork Mangement

Master Account Report Setup Settings

New Entry Edit Delete Print Import Export Search Refresh

Total Jobs 65	Employee Name	Work	Date	Pic
Total Weight 16683	Date 08-01-2026			
Avg. Rate 2				
Pending Jobs 8				
Total Pic 16683				
Total Amount ₹36,363.00				

Job Management Module

Allows users to:

- Add and manage job entries
- Track job progress
- Store business records
- Manage workflow efficiently

(Invoice Creation, Salary,Bill reports & summary)

Top Window (Invoice View):

Janga n no	Kapan no	Work	Weight	In Date	In Pic	Out Date	Out Pic	Rate (Pic)	Total
1	12	GAL	10	16-02-2026	200	16-02-2026	200	10	2000
2	13	GAL	20	16-02-2026	322	16-02-2026	322	10	3220

Total Weight: 30 Ct
Total In Pic: 522

Bottom Window (Summary View):

Janga n no	Kapan no	Work	Weight	In Date	In Pic	Out Date	Out Pic	Rate (Pic)	Total
1	12	GAL	10	16-02-2026	200	16-02-2026	200	10	2000
2	13	GAL	20	16-02-2026	322	16-02-2026	322	10	3220

Total Weight: 30 Ct
Total In Pic: 522
Total Out Pic: 522
Return Pic: 0
Total: ₹ 5220.00

Payment Information:
Bank: Bank of B
Account No.: 0
IFSC Code: 0000000000

Note:
This is a placeholder for notes.
Please add your specific notes here.

Thank You!

Key features:

- Automatic invoice generation for all parties with one click
- Generate invoices by selecting specific month or date range
- Bulk invoice creation for multiple parties instantly
- Auto calculation of totals, charges, and balances
- Export invoices to PDF for sharing and printing
- Monthly billing summary and financial reports
- Salary reports and employee payment tracking
- Business performance and revenue analysis

Smart Invoice Sharing & Digital Distribution

The system now includes an integrated multi-channel invoice sharing feature. Generated invoices can be distributed instantly through supported communication platforms.

Key Capabilities:

- Direct invoice sharing via WhatsApp
- Send invoice PDF through Email
- Share via Telegram
- One-click PDF copy and print options
- Auto-generated pending bill reminder message
- Structured bill summary with total pending calculation

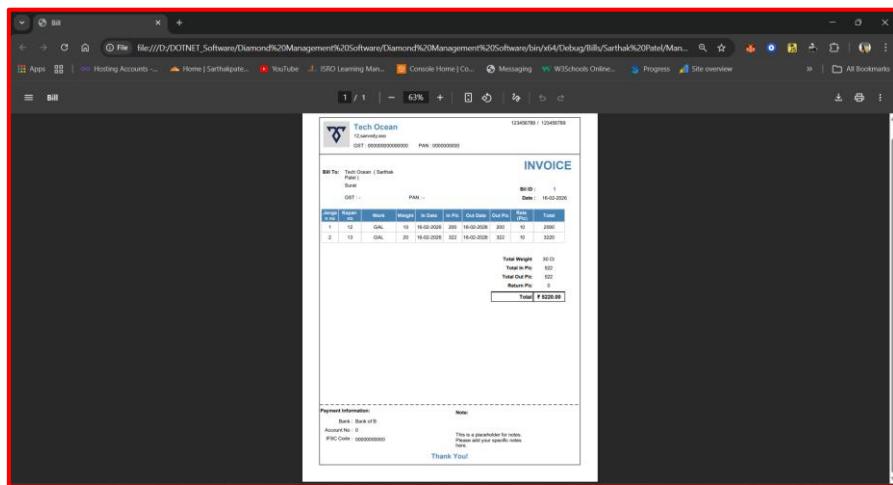
The image consists of two side-by-side screenshots of a software application interface. The left screenshot shows a dashboard with a red box highlighting a 'Share' button next to a bill ID. The right screenshot shows a detailed view of a bill for 'Tech Ocean' with a red box highlighting the 'Bill Details' section, which lists the party, bill month, total amount, paid amount, pending amount, and status. Below this, a 'PENDING BILLS REMINDER' section provides a summary of outstanding bills and a message to clear dues at the earliest. At the bottom, there are 'Open' and 'Save as...' buttons.

Pending Bills Reminder System

The software automatically calculates outstanding dues and generates a structured reminder message including:

- Total pending bills count
- Total outstanding amount
- Bill-wise pending breakdown
- Clear payment request message

This improves collection efficiency and reduces manual follow-up effort.

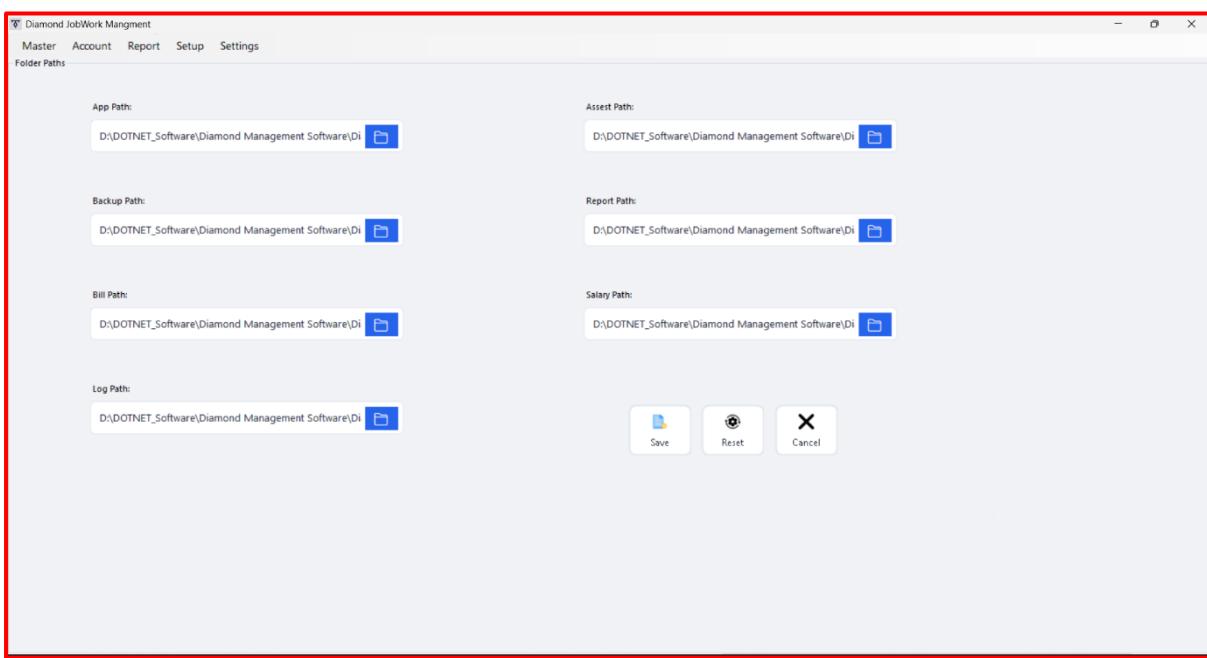
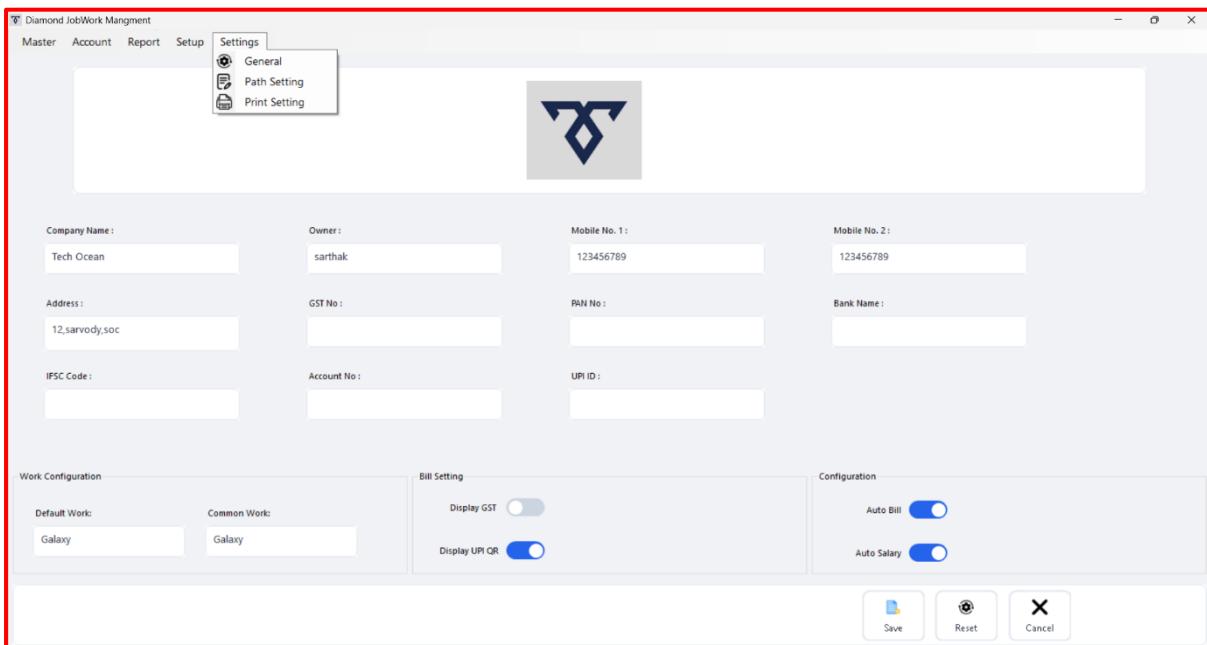


Employee Name	Mobile	Total Days	Total Pts.	Avg Rate	Salary Total
Abhishek misra	- - -	3	1238	₹ 2.00	₹ 2476.00
Akhai	- - -	7	2439	₹ 2.40	₹ 5847.00
Bhagav desai	- - -	7	2017	₹ 2.00	₹ 4034.00
Pranav OP	9876543210	6	1841	₹ 3.00	₹ 5523.00
Kamal STN	9876543210	0	2019	₹ 0.00	₹ 4038.00
Kamal STN	9876543210	6	2019	₹ 2.00	₹ 4038.00
		29	11573	₹ 1.9	₹ 25956.00

Auto Invoice Generation System

Generate invoices automatically for all parties with one click or by selecting a specific month. The system calculates totals and creates ready-to-print invoices instantly.

(Settings and configuration panel)



Company and Business Settings:

- Company profile setup (name, address, GST, contact details)
- Business configuration and system preferences
- Custom business rules and workflow setup

Software Configuration and Security:

- System path and storage configuration
- User access and system control settings
- Secure and reliable software environment

Party and Customer Management:

- Add, edit, and manage party or customer details
- Store contact information and business records
- Maintain complete party transaction history
- Support for multiple parties and business accounts

The screenshot shows the 'Diamond JobWork Mangement' software interface for managing parties. The top navigation bar includes 'Master', 'Account', 'Report', 'Setup', and 'Settings'. Below the navigation is a toolbar with icons for 'New Party', 'Edit', 'Delete', 'Print', 'Import' (highlighted in blue), 'Export', 'Search', and 'Refresh'. On the left, a sidebar displays summary statistics: 'Total Parties' (1), 'Active Parties' (1), 'Inactive Parties' (0), and 'Avg Pic Rate' (₹10.00). The main area contains input fields for 'Party Code', 'Party Name', 'Billing Name', 'Rate (/Pic)', and 'Rate (/Ct)(WeightRate)'. It also includes fields for 'Mobile No.', 'Address', 'GST No.', 'PAN No.', and 'Auto Bill Calculate On' (with 'Ct' and 'Pic' options). A table lists a single party entry: p1, Sarthak Pa..., Surat, 10.00, 100.00, 9374626600, Tech Ocean, -, -, Active, Pic, 16-02-2026.

The screenshot shows the 'Diamond JobWork Mangement' software interface for managing accounts. The top navigation bar includes 'Master', 'Account', 'Report', 'Setup', and 'Settings'. Below the navigation is a toolbar with icons for 'Save', 'Edit', 'Delete', 'Print', 'Import', 'Export', 'Search', and 'Refresh'. On the left, a sidebar displays summary statistics: 'Total Accounts' (1), 'Total Balance' (₹10,869.00), 'Positive Balance Count' (1), and 'Negative Balance Count' (0). The main area contains input fields for 'Account ID' (2) and 'Account Name'. A table lists account details: ID, Account Name, Current Balance, Updated, and Actions. One entry is shown: ID 1, Account Name Cash, Current Balance 10,869.00, Updated 07-01-2026 14.55, with edit and delete icons in the Actions column.

Work and Job Setup:

- Configure work types and job categories
- Define business processes and job workflows
- Customize job parameters based on business needs

The screenshot shows the 'Diamond JobWork Management' application window. The top navigation bar includes 'Master', 'Account', 'Report', 'Setup', and 'Settings'. Below the navigation is a toolbar with icons for 'New Work', 'Edit', 'Delete', 'Print', 'Import', 'Export', 'Search', and 'Refresh'. On the left, a sidebar displays summary statistics: 'Total Works' (2), 'Party Works' (1), 'Employee Works' (0), and 'Avg Pic Rate' (₹5.00). The main content area features search fields for 'Work Name', 'Work Category', 'Rate (/Pic)', and 'Rate (/Ct)(WeightRate)'. A table lists work entries with columns for Category, Work Type, Rate (Pic), Rate (Ct), Created, Updated, and Actions. One entry is shown: All (Category), All (Work Type), 0.00 (Rate (Pic)), 05-11-2025 (Created), 100.00 (Rate (Ct)), 16-02-2026 (Updated), and edit/delete icons in the Actions column.

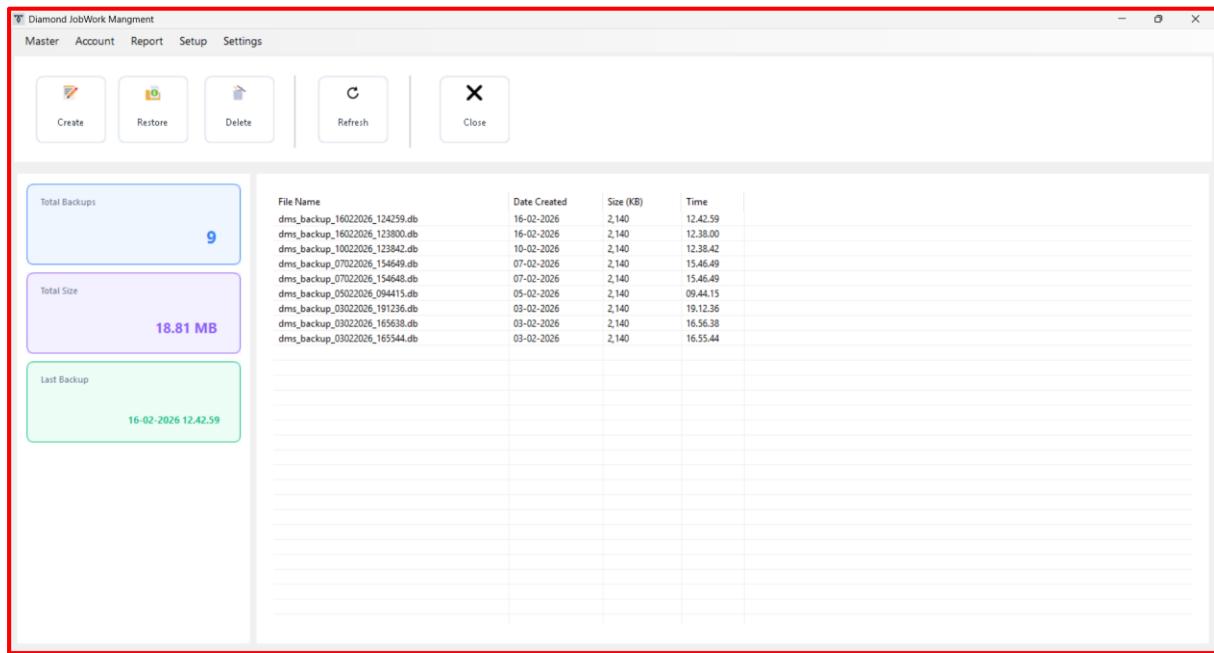
Employee Management:

- Add and manage employee profiles
- Assign work roles and responsibilities
- Track employee work records and salary data
- Manage employee performance and reporting

The screenshot shows the 'Diamond JobWork Management' application window. The top navigation bar includes 'Master', 'Account', 'Report', 'Setup', and 'Settings'. Below the navigation is a toolbar with icons for 'New Emp', 'Edit', 'Delete', 'Print', 'Import', 'Export', 'Search', and 'Refresh'. On the left, a sidebar displays summary statistics: 'Total Employees' (1), 'With Bank Details' (1), 'With Aadhar' (1), and 'With PAN' (1). The main content area includes input fields for 'Employee Code' (with placeholder 'e1'), 'Employee Name', 'Mobile No.', 'Address', 'Aadhaar Card' (with 'Upload File' button), 'Bank Account Name', 'Account Number', 'IFSC Code', 'Bank Name', 'PAN Card' (with 'Upload File' button), and a table listing employees. The table has columns for Code, Employee I, Mobile, Address, Account No., Account Nr, IFSC Code, Bank Name, Created, Updated, Aadhar, PAN, and Actions. One employee record is listed: e1, Sarthak, 9374626600, surat, sarthak patel, 0, SDFC00000000, bob, 16-02-2026, and edit/delete icons in the Actions column.

Database Backup and Restore System:

- Secure database backup functionality
- Restore database from backup files
- Protect business data from loss or corruption
- Support for manual and automated backup



System Architecture and Licensing Model

This application is designed as a licensed desktop software solution intended for commercial distribution. It includes a secure software activation system to control access and ensure authorized usage.

Key architecture features:

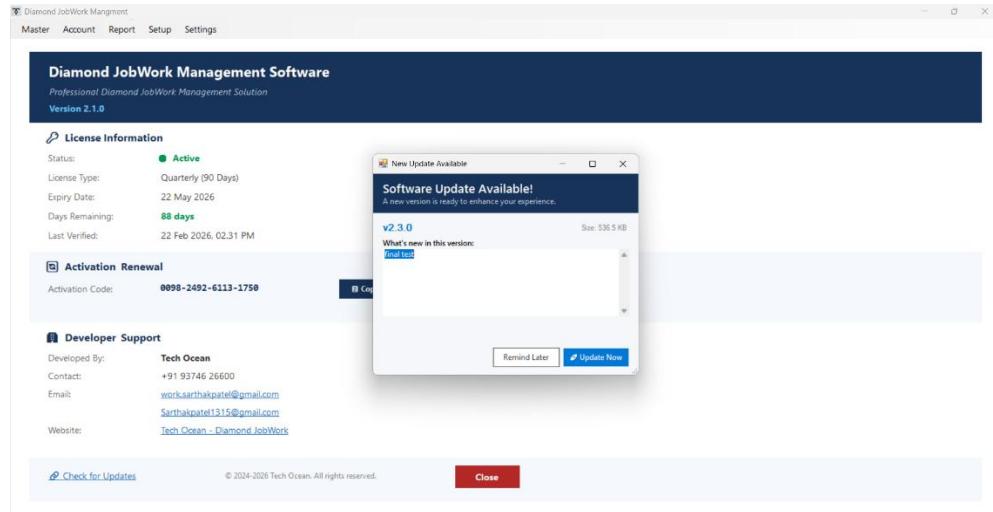
- Secure software activation using unique license keys
- Single user licensed system for individual business installations
- Local database architecture for fast and reliable performance
- Modular system design for easy updates and maintenance
- Secure data storage and reliable system operation
- Production ready architecture suitable for software distribution

This architecture enables startups and companies to sell the software securely to multiple clients using license-based activation.

(Modular system design for easy updates and maintenance)

Online Update & Version Management System

The application now includes a centralized version control and update delivery mechanism.



Update System Architecture:

- Server-hosted version metadata (API-based version control and update)
- One-click version check on application
- Secure update notification popup
- One-click update download and installation
- Version history and change log support
- Controlled rollout via Admin Panel

How It Works:

1. Application checks current installed version
2. Connects to update server API
3. Compares with latest available version
4. Displays update popup if newer version exists
5. User can update instantly or remind later

This architecture ensures all distributed installations remain synchronized with the latest secure version.

Project Summary

Diamond Jobwork Management ERP is a commercially distributable, licensed desktop enterprise solution built for jobwork-based businesses.

The system combines operational workflow automation with a secure software licensing and centralized update management infrastructure, enabling both business users and software vendors to operate efficiently.

Functional Modules Include:

- Party and customer lifecycle management
- Employee management and salary tracking
- Jobwork entry and workflow monitoring
- Automated invoice generation and billing
- Digital invoice sharing and payment reminders
- Financial reporting and analytics dashboard
- Secure database backup and restore
- License validation and centralized update system

This solution not only automates business operations but also provides a scalable commercial distribution model for software providers.

Technologies Used

- C# (.NET Framework – Windows Desktop Architecture)
 - Windows Forms (UI Layer)
 - SQLite / SQL Server (Database Layer)
 - ASP.NET-based REST API for Version Control & Update Verification
 - License Key Validation Mechanism
 - Modular ERP Architecture Design
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Key Features

- Secure license-based activation system
- Centralized version control and software updates
- Digital invoice generation with PDF export
- One-click invoice sharing (WhatsApp / Email / Telegram)
- Automated pending bill reminder engine
- Dashboard analytics and revenue tracking
- Employee and job workflow management
- Local database with secure backup architecture

- Production-ready commercial distribution model
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Why Choose This System

- Built for commercial distribution and software resale
 - Centralized license and version governance
 - Reduces operational overhead through automation
 - Secure, scalable, and production-ready architecture
 - Suitable for startups, SMEs, and software vendors
 - Designed for long-term maintainability and upgradeability
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Developed By

Sarthak Patel

C# | .Net Desktop Application Developer | Shopify Developer
ERP and Licensed Software Development Specialist

Specializing in:

- Commercial software architecture design
- License-based desktop application development
- ERP workflow automation systems
- Software activation & version control mechanisms
- Business automation solutions

Experience in designing and delivering production-grade licensed software products intended for commercial distribution.

Available for enterprise desktop architecture consulting and development of secure, scalable, license-based, production-ready commercial software solutions.

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