

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
-

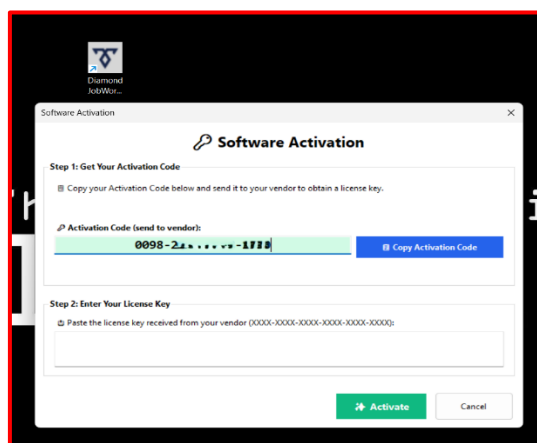
Software Licensing and Activation System

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

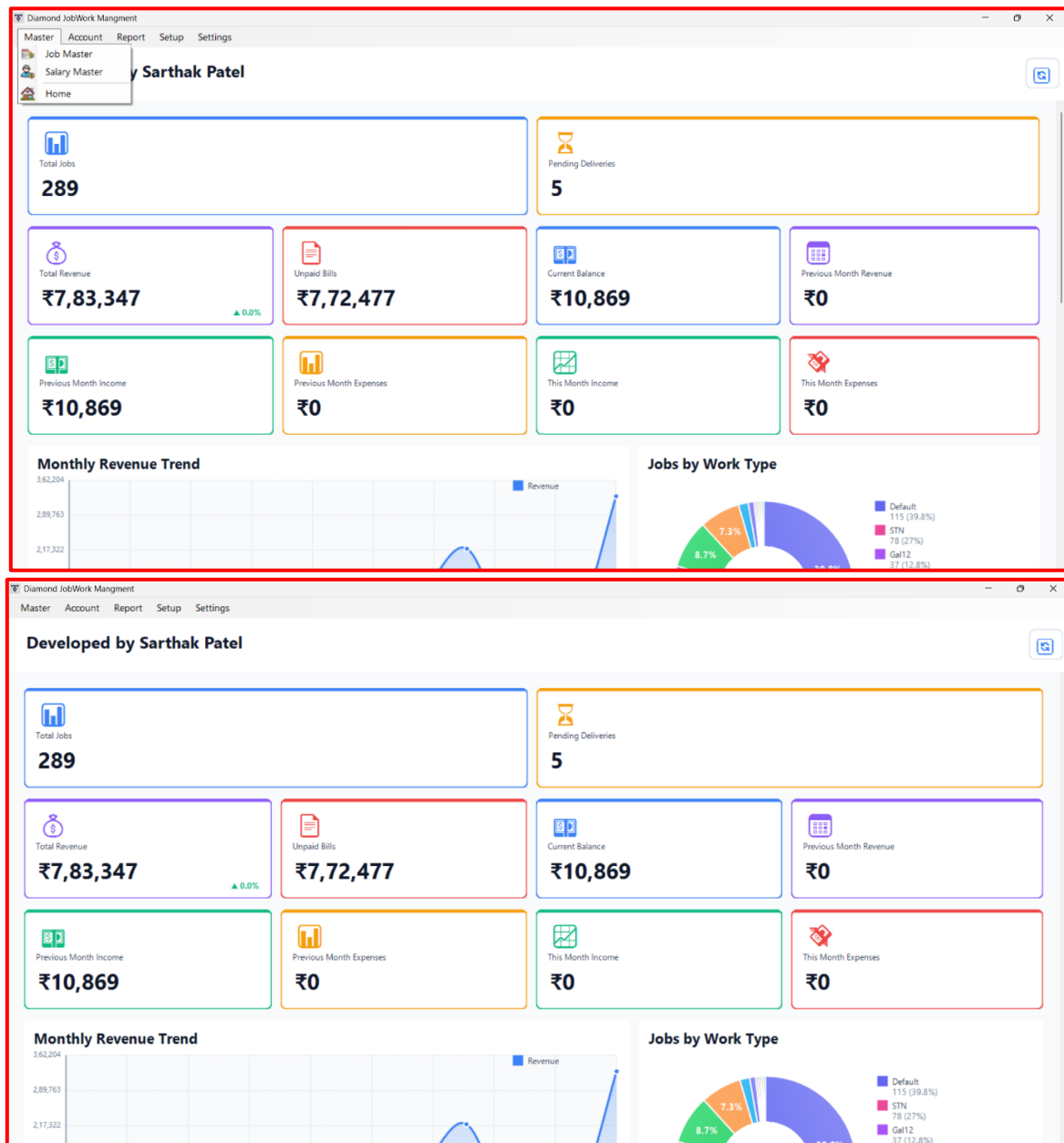
Each installation requires a unique activation key generated and controlled via an administrative license management system. The activation mechanism ensures:

- 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)

Total Jobs
289

This Month Jobs
0

Pending Deliveries
5

This Month Completed
30

Jangan No.
361

Party Name
▼

Work Name
▼

Kapan No.
▼

Weight(Ct)

Date
08-12-2025

Pic

Rate(Rs.)

Job In

Job Out

Jangan I	Party	Work	Kapan I	Weight	In Date	In Pic	Out Pic	Out Dat	Rate (R)	Total	Return	pending	Created	Update	Actions
261	Sandipb...	STN	NP08		28-09-20...	150	0	28-09-20...	3	0	0	150	28-09-20...	07-01-20...	
231	Jaybhai	GAL9	NV43		16-09-20...	200	149	17-09-20...	9	1341	2	49	16-09-20...	07-01-20...	
230	Jaybhai	STN	D104		16-09-20...	377	344	17-09-20...	3	1032	0	33	16-09-20...	07-01-20...	
205	Mukesh...	Default	22		09-09-20...	36	34	11-09-20...	13	442	0	2	09-09-20...	07-01-20...	
182	sanjayb...	Common	25		30-08-20...	60	11	13-09-20...	11	121	0	49	30-08-20...	07-01-20...	

Jangan No.

Total In Pic
823

Total Out Pic
538

Total Return Pic
2

Total Amount
₹2,936.00

Total Jobs
65

Total Weight
16683

Avg. Rate
2

Pending Jobs
8

Employee Name
▼

Work
▼

Date
08-01-2026

Pic

Employee Name	Work Type	Pic Count	Salary Date	Rate (Rs.)	Total Amount (Rs.)	Created At	Updated At	Actions
Bhargav desai	STN	327	07-12-2025	2.00	654.00	05-01-2026	06-01-2026	
kamal STN	STN	400	07-12-2025		800.00	05-01-2026		
Akshai	GEL	221	07-12-2025		663.00	05-01-2026		
Akshai	Doping	221	07-12-2025		442.00	05-01-2026		
Pranav OP	GEL	411	07-12-2025		1,233.00	05-01-2026		
Abhisek misra	Doping	331	07-12-2025		662.00	05-01-2026		
kamal STN	STN	451	06-12-2025		902.00	05-01-2026		

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)

Diamond JobWork Mangment

Master Account Report Setup Settings

Preview Save Delete Print Refresh

Bill ID: Party Name: Sarbhak Patel Work: GAL From Date: February 2026 Bill Calculate on: Ct Pic

Tech Ocean
12 sarvody soc
GST: 00000000000000000000 PAN: 0000000000

123456789 / 123456789

INVOICE

Bill To: Tech Ocean (Sarbhak Patel)
Surat
GST: - PAN: -

Bill ID: 1
Date: 16-02-2026

Jange 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 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: 000000000000

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

Thank You!

Key features:

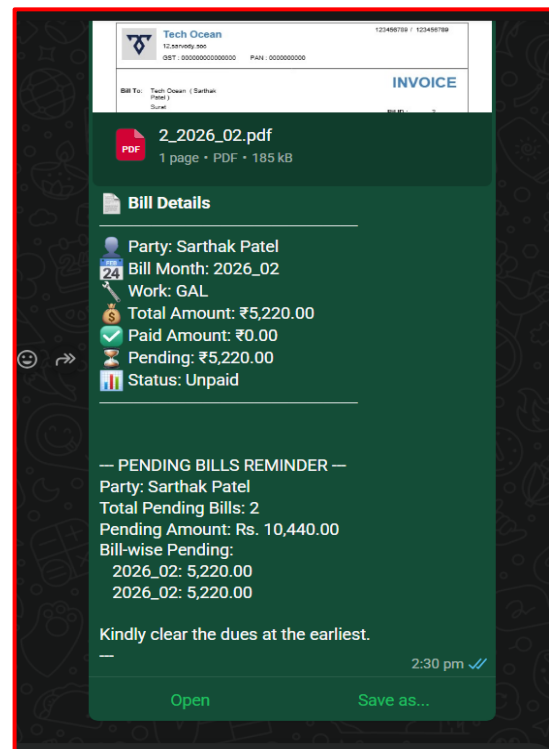
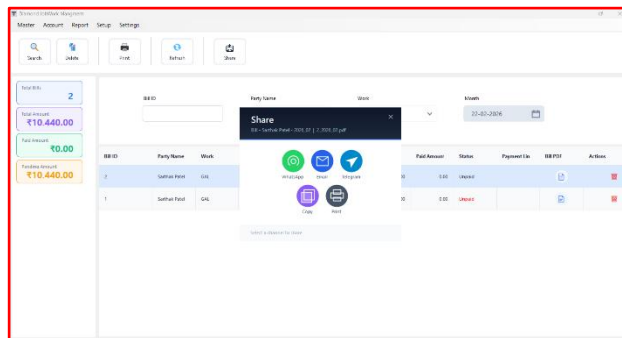
- Automatic invoice generation for all parties with one click
- Generate invoices by selecting specific month or date range
- Bulk invoice creation for multiple parties instantly
- Auto calculation of totals, charges, and balances
- Export invoices to PDF for sharing and printing
- Monthly billing summary 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

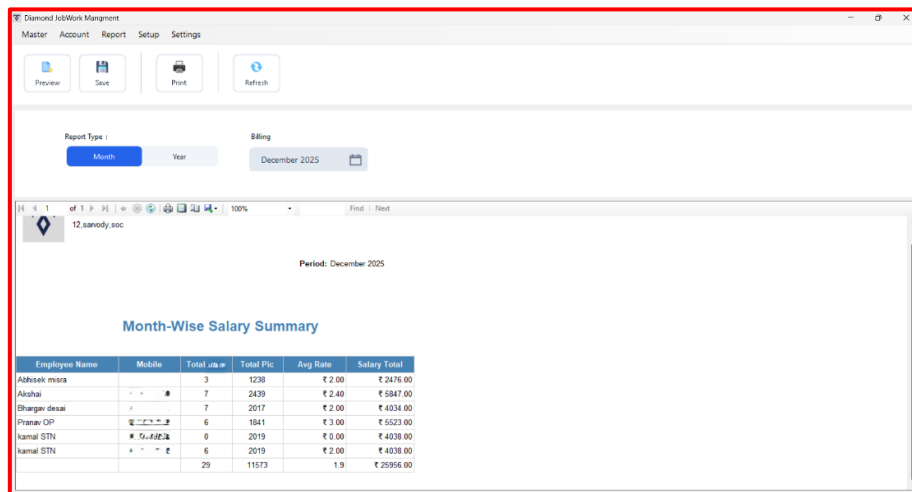
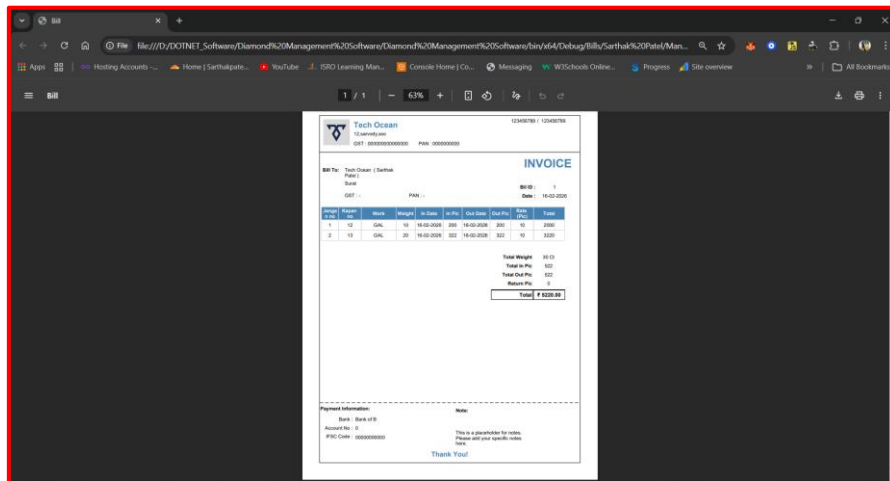


Pending Bills Reminder System

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

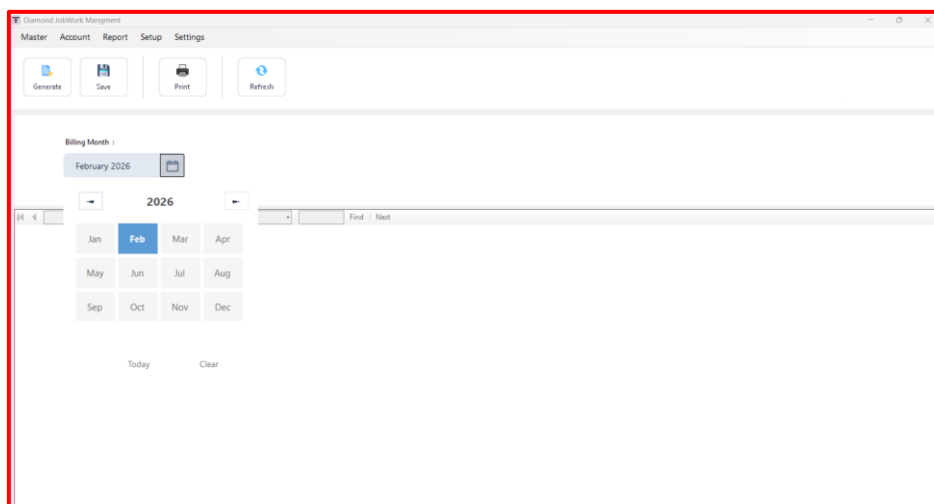
- Total pending bills count
- Total outstanding amount
- Bill-wise pending breakdown
- Clear payment request message

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



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)

The screenshot shows the 'General' settings panel of the 'Diamond JobWork Mangment' application. The interface includes a top menu bar with 'Master', 'Account', 'Report', 'Setup', and 'Settings'. The 'Settings' menu is open, showing 'General', 'Path Setting', and 'Print Setting'. The main area contains a logo and several input fields for company and contact information: Company Name (Tech Ocean), Owner (sarthak), Mobile No. 1 (123456789), Mobile No. 2 (123456789), Address (12,sarvody,soc), GST No., PAN No., Bank Name, IFSC Code, Account No., and UPI ID. Below these are three sections: 'Work Configuration' with 'Default Work' (Galaxy) and 'Common Work' (Galaxy); 'Bill Setting' with 'Display GST' (off) and 'Display UPI QR' (on); and 'Configuration' with 'Auto Bill' (on) and 'Auto Salary' (on). At the bottom right are 'Save', 'Reset', and 'Cancel' buttons.

The screenshot shows the 'Path Setting' panel of the 'Diamond JobWork Mangment' application. The interface includes a top menu bar with 'Master', 'Account', 'Report', 'Setup', and 'Settings'. The 'Settings' menu is open, showing 'General', 'Path Setting', and 'Print Setting'. The main area is titled 'Folder Paths' and contains six input fields for file paths: App Path, Asset Path, Backup Path, Report Path, Bill Path, and Salary Path. All paths are set to 'D:\DOTNET_Software\Diamond Management Software\Di'. At the bottom right are 'Save', 'Reset', and 'Cancel' buttons.

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

Diamond JobWork Mangment

MasterAccountReportSetupSettings

New PartyEditDeletePrintImportExportSearchRefresh

Total Parties1Active Parties1Inactive Parties0Avg Pic Rate₹10.00

Party CodeParty NameBilling NameRate (/Pic)Rate (/Ct)(WeightRate)Mobile No.AddressGST No.PAN No.

Auto Bill Calculate OnCtPic

Code	Party Nam	Address	Rate (Pic)	Rate (Wei	Mobile	Billing Na	GST No.	PAN No.	Status	Bill Cal On	Created	Updated	Actions
p1	Sarthak Pa...	Surat	10.00	100.00	9374626600	Tech Ocean	-	-	Active	Pic	16-02-2026		

Diamond JobWork Mangment

MasterAccountReportSetupSettings

SaveEditDeletePrintImportExportSearchRefresh

Total Accounts1Total Balance₹10,869.00Positive Balance Count1Negative Balance Count0

Account IDAccount NameCurrent Balance

2

ID	Account Name	Current Balance	Updated	Actions
1	Cash	10,869.00	07-01-2026 14:55	

Work and Job Setup:

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

Master

Account

Report

Setup

Settings

New Work

Edit

Delete

Print

Import

Export

Search

Refresh

Total Works2

Party Works1

Employee Works0





Avg P/c Rate₹5.00

Work Name

Work Category

Rate (/P/c)

Rate (/Ct)(WeightRate)

Category	Work Type	Rate (P/c)	Rate (Ct)	Created	Updated	Actions
All	All	0.00		05-11-2025		 
Party	GAL	10.00	100.00	16-02-2026		 

Employee Management:

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

Master

Account

Report

Setup

Settings

New Emp

Edit

Delete

Print

Import

Export

Search

Refresh

Total Employees1

With Bank Details1

With Aadhar1

With PAN1

Employee Code

Employee Name

Mobile No.

Address

Aadhaar Card







Bank Account Name

Account Number

IFSC Code

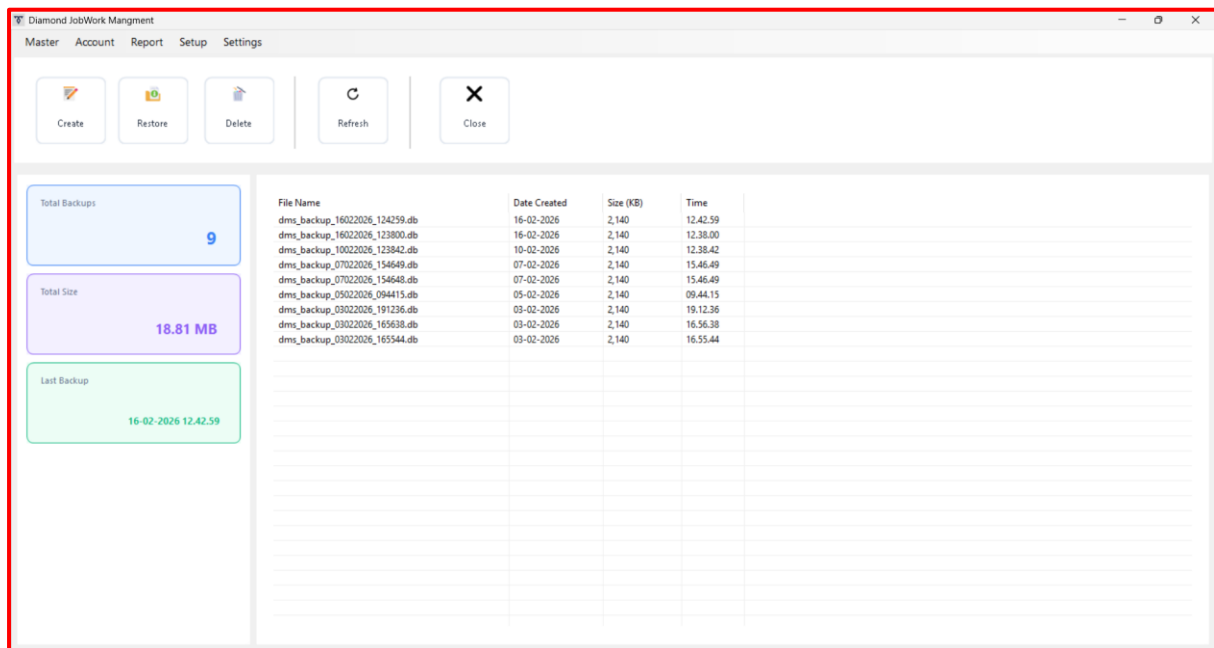
Bank Name

PAN Card

Code	Employee I	Mobile	Address	Account N	Account N	IFSC Code	Bank Name	Created	Updated	Aadhar	PAN	Actions
e1	Sarthak	9374626600	surat	sarthak patel	0	SDFC0000000	bob	16-02-2026		 	 	 

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:

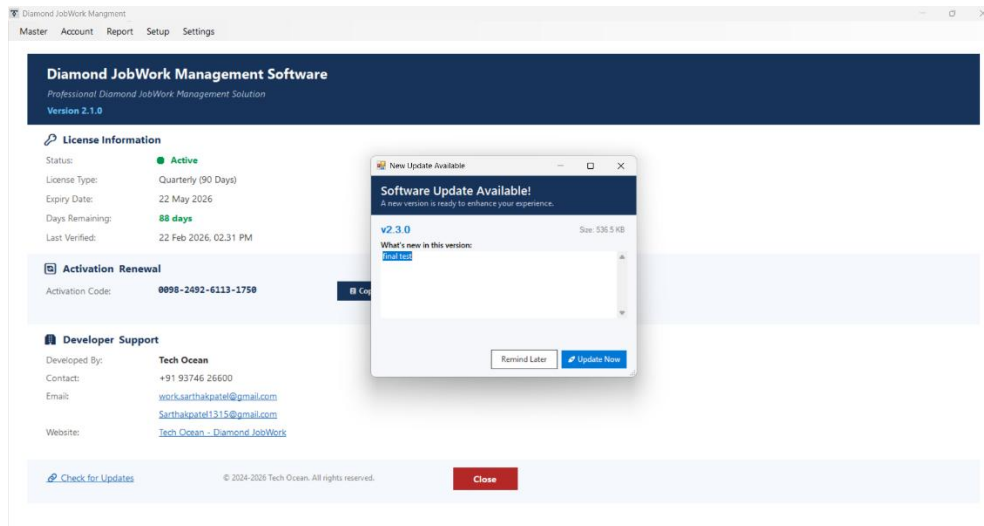
- Secure software activation using unique license keys
- Single user licensed system for individual business installations
- Local database architecture for fast and reliable performance
- Modular system design for easy updates and maintenance
- Secure data storage and reliable system operation
- Production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

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
-

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
-

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.

Please contact through

Contact Information:

Email: work.sarthakpatel@gmail.com / sarthakpatel1315@gmail.com

Phone: +91 93746 26600

GitHub: github.com/Sarthak1315

Portfolio: sarthak1315.github.io

LinkedIn: linkedin.com/in/sarthak-patel-sp1315