



KandyPack Logistics Platform - Changelog

[Unreleased] - October 2025



Major Updates

Frontend - Complete Overhaul ☒

The frontend has been completely developed with a modern, production-ready interface.

Authentication & Security

- ☒ **Login System:** Glassmorphic login page with OAuth integration
- ☒ **Route Protection:** All dashboard routes protected with **ProtectedRoute** wrapper
- ☒ **Session Management:** LocalStorage-based authentication (to be replaced with JWT)
- ☒ **User Profile:** Dropdown menu with user info and logout functionality
- ☒ **Auto-redirect:** Unauthenticated users automatically redirected to login

Dashboard Pages

1. Main Dashboard (/dashboard)

- Statistics cards (Orders, Revenue, Shipments, Returns)
- Recent orders table
- Activity feed timeline
- Quick action buttons

2. Order Management (/order-management)

- Comprehensive order table with pagination
- Status filtering and search
- Order details and actions

3. Admin Management (/admin)

- Admin user management
- Role-based access control
- User status tracking

4. Store Management (/stores)

- Store location management
- Capacity tracking
- Manager assignments

5. Last Mile Delivery (/last-mile)

- Truck scheduling

- Route planning
- Driver assignments

6. Roster Management (/rosters)

- Employee shift scheduling
- Working hours tracking
- Schedule conflict detection

7. Reports & Analytics (/reports)

- 6 interactive report cards with charts:
 - Sales by Region (Line chart)
 - Order Status Distribution (Pie chart)
 - Revenue Trends (Line chart)
 - Delivery Performance (Bar chart)
 - Customer Satisfaction (Line chart)
 - Sales Breakdown Map (Leaflet map)

8. Activity Logs (/logs)

- System activity tracking
- User action logging
- Severity level filtering

9. Rail Scheduling (/rail-scheduling)

- Rail logistics management (placeholder ready)

UI/UX Enhancements 🎨

- ☒ **Glassmorphic Design:** Modern frosted glass aesthetic
- ☒ **Retractable Sidebar:** Collapsible navigation with context state
- ☒ **Dark Mode:** Full dark/light theme support
- ☒ **Responsive Design:** Mobile-first responsive layouts
- ☒ **Loading States:** Skeleton loaders for better UX
- ☒ **Error Boundaries:** Global error handling
- ☒ **Interactive Charts:** Recharts integration for data viz
- ☒ **Geographic Maps:** Leaflet integration for delivery tracking
- ☒ **Status Badges:** Color-coded indicators
- ☒ **Dropdown Menus:** User profile and action menus

Technical Improvements ⚙️

- ☒ **Shadcn/ui Integration:** Complete component library
- ☒ **TypeScript:** Full type safety across all components
- ☒ **Context API:** SidebarContext and AuthContext for state management
- ☒ **Custom Hooks:** useAuth for authentication
- ☒ **Route Configuration:** Organized route structure with layouts

- ☒ **Error Handling:** Comprehensive error boundaries
 - ☒ **Code Organization:** Modular component architecture
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Previous Versions

[Initial Setup] - Earlier

Foundation

- ☒ React Router v7.7.1 setup
 - ☒ Tailwind CSS v4.1.4 configuration
 - ☒ Vite 6.3.3 build tool
 - ☒ TypeScript 5.8.3 integration
 - ☒ Docker containerization
 - ☒ Basic project structure
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Breaking Changes

Authentication System

- ☒ **Current:** LocalStorage-based (development only)
- ☒ **Planned:** JWT-based authentication with httpOnly cookies
- ☒ **Action Required:** Backend API integration needed

Data Management

- ☒ **Current:** Mock/sample data in components
 - ☒ **Planned:** Real API calls to FastAPI backend
 - ☒ **Action Required:** Database setup and API development needed
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Known Issues

1. **No Backend:** Frontend is complete but needs backend API
 2. **Mock Data:** All data is currently hardcoded
 3. **LocalStorage Auth:** Not suitable for production
 4. **No Real-time Updates:** WebSocket integration needed
 5. **Limited Error Handling:** Need more comprehensive error messages
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Upcoming Features

Backend Integration (High Priority)

- ☐ FastAPI application setup
 - ☐ PostgreSQL database configuration
 - ☐ SQLAlchemy models implementation
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- ☐ JWT authentication system
- ☐ API endpoint development
- ☐ Data validation with Pydantic

Advanced Features (Medium Priority)

- ☐ Real-time notifications (WebSockets)
- ☐ File upload functionality
- ☐ Email notifications
- ☐ SMS alerts
- ☐ Advanced filtering and search
- ☐ Bulk operations
- ☐ Export to CSV/PDF

Integrations (Future)

- ☐ Shipping provider APIs (FedEx, UPS, DHL)
- ☐ Payment gateway integration
- ☐ Third-party authentication (OAuth)
- ☐ Cloud storage integration

Migration Guide

From Welcome Page to Dashboard

Before:

```
/ (home) → Welcome page
```

After:

```
/ (home) → Landing page  
/login → Authentication  
/dashboard → Main dashboard (Protected)  
/order-management → Orders (Protected)  
/admin → Admin panel (Protected)  
... and 6 more protected routes
```

Authentication Flow

Old: No authentication

New:

1. User must log in at `/login`
2. Credentials stored in `localStorage`

3. All dashboard routes protected
 4. Automatic redirect if not authenticated
 5. Logout via profile dropdown
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Contributors

- Development Team - Complete frontend implementation
 - Design - Glassmorphic UI/UX design
 - Architecture - Route protection and state management
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Notes

This changelog tracks major updates to the KandyPack Logistics Platform. The frontend is production-ready and awaiting backend integration for full functionality.

Last Updated: October 16, 2025