

# Professional Projects

Here is a summary of some of the professional projects I have worked on.

## CIO Remote

Warehouse software for pick, pack, ship functionality. I personally implemented features such as:

- High volume automated label printing, including 4x6 EPL/ZPL thermal labels, as well as 4x8 and 8.5x11 combined picking and shipping labels.
- Rate shopping between carriers at shipping time
- Weight validation of packages to catch mis-picks
- Mobile device picking and scanning processes
- Wave picking to efficiently guide workers through warehouse to pick many orders at once into bins on a cart
- Serial and lot/batch scanning and tracking
- Mobile Receiving and Put-away
- End-of-day carrier manifesting
- Automated printing monitors to detect and resolve or alert on problem printers

The CIO Remote system was sunset in 2024 after company acquisition.

## CIO Central

Internal product responsible for expanding legacy warehouse software functionality. I personally implemented features such as:

- Order routing based on geographic location, inventory levels, shipping price, time-in-transit
- Customization platform for 3PL providers needing order and routing customizations

The CIO Central system was sunset in 2024 after company acquisition.

## CartRover

ECommerce integration software connecting shopping carts and marketplaces with Order/Warehouse Management Systems to sync orders, shipments, inventory, and products. System was acquired by Extensiv and rebranded as Extensiv Integration Manager. My involvement

included:

- Initial system design and product planning
- After initial build, scaling performance and reliability of system into a high volume, low touch system.
- Integrating with dozens of ecommerce systems
- Integration framework and libs to make integration buildout easy and standardized
- Alerting and automated retry logic and design
- Leading product and dev team as the system experienced explosive growth

---

Revision #2

Created 21 May 2024 17:46:12 by William

Updated 21 May 2024 20:27:21 by William