

Modernizing Store-Critical POS and Payments Platforms

Delivered a scalable, low-risk modernization across thousands of live retail and restaurant locations.

The Challenge

A national retail and restaurant technology organization was modernizing store-critical POS and payments platforms while supporting rapid expansion across thousands of live locations. The initiative had zero tolerance for disruption and increasing transaction volumes amplified risk.

Key Challenges Included:

- Complex payments, EMV certification, and processor integrations
- Need to modernize without disrupting store operations
- Rapid growth driving higher transaction volumes and platform demand

The Approach

The Intersect Group designed a scale-ready delivery model purpose-built for transaction-heavy, store-facing platforms by:

- Blending deep legacy POS expertise with modern cloud, API, and platform engineering
- Supporting phased modernization to protect live store operations
- Rapidly scaling specialized teams as platform demand increased
- Providing leadership across payments, compliance, and high-volume transaction systems

The Execution

- Deployed 12 specialized POS and platform engineers, including:
 - 6 engineers with deep legacy POS experience across Visual C++, Win32, and .NET
 - 3 front-end engineers supporting next-generation POS and self-checkout
 - 2 payments certification engineers supporting EMV and processor compliance
- Provided 2 Technical Product Owners to support a global, transaction-heavy API platform
- Scaled delivery in phases to align with store rollout timelines and certification cycles

The Impact



Modernized POS and payments platforms supporting thousands of live stores



Built scalable, resilient platforms capable of supporting continued store growth



Reduced operational and compliance risk across EMV certification and processor changes



Established a delivery partnership to support ongoing modernization at scale