ADVANCEDRX DELIVERS QUICKER, MORE CONVENIENT CARE WITH E-PRESCRIPTIONS

OZ helps AdvancedRx, a pharmacy services company, roll out e-prescriptions while meeting stringent federal regulations.

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THE CHALLENGE

Introducing e-prescriptions that meet stringent federal regulations

AdvancedRx wanted to bring speed and convenience to prescribing by rolling out e-prescribing for controlled substances within their existing Electronic Health Record (EHR) system. To do so, they first had to tackle a few key challenges:

- **Regulatory Compliance:** Ensure full compliance with the Drug Enforcement Administration (DEA) regulations for electronically prescribing controlled substances

- **Security:** Protect sensitive patient and prescription data from unauthorized access and fraud

- **System Integration:** Integrate the new feature into their existing EHR system without disruption while ensuring interoperability with external stakeholders such as pharmacies and regulatory bodies.

BUSINESS NEED

Integrating e-prescriptions into the existing EHR system without disruption

AdvancedRx partnered with us to implement Microsoft BizTalk Server with key features such as REST API, digital signatures, and advanced security capabilities to overcome integration and security.

- **DEA Compliance and Digital Signatures:** One of DEA's key requirements for prescribing controlled substances electronically is digital signatures that are used to ensure authenticity, integrity, and non-repudiation of prescriptions. With BizTalk, AdvancedRx met DEA's EPCS (Electronic Prescriptions for Controlled Substances) e-prescribing regulations, by enabling digital signatures for prescriptions as well as ensuring each prescription was securely authenticated by the prescribing healthcare provider.

- **Audit trail for compliance:** Every prescription was secure and legally compliant, with an audit trail for full accountability

- **Security:** BizTalk encrypted prescription data controlled who had access with role-based access control (RBAC) permissions, and provided real-time monitoring to prevent fraud and ensure privacy. Every action taken within the system was logged, and BizTalk provided real-time monitoring of prescription activities, ensuring accountability and transparency.

- **System Integration:** BizTalk's REST API seamlessly connected AdvancedRx's EHR system with pharmacies and regulatory bodies, making sure prescriptions were validated in real time for compliance and accuracy. Through the REST API, prescriptions were validated in real time for patient eligibility, drug interactions, and DEA compliance, ensuring that the entire prescription process adhered to regulatory standards.

IMPACT

AdvancedRx secures a competitive edge by offering patients convenient care

- **Compliance:** AdvancedRx met all EPCS requirements and achieved DEA certification for e-prescribing controlled substances.

- **Security:** BizTalk's encryption and multi-factor authentication keeps sensitive data safe.

- **Efficiency:** Prescription workflows were automated, cutting down on errors and manual work.

- **Competitive Edge:** With a secure, compliant e-prescription system, AdvancedRx has solidified its position as a leader in digital healthcare.

AdvancedRx
Optimizing Provider Care™

COMPANY
AdvancedRx

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Tampa, Florida

INDUSTRY
Healthcare

EMPLOYEES
50

FEATURED SERVICES:
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Enterprise Integration
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