

Ron Cake, Pharm.D

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OBJECTIVE

Individual with strong information technology, pharmacy, and health analytics background seeking an opportunity in health information systems in one of the following areas: integrating and supporting electronic medical record (EMR) systems; clinical decision support; health system interoperability; and population health & data analytics.

EDUCATION

Doctor of Pharmacy, *University of Colorado at Denver & Health Sciences*, 2010

B.S. Computer Science, *Regis University*, 2003

B.A. Chemistry & Biology, *University of Northern Colorado*, 1996

PROFESSIONAL HEALTHCARE EXPERIENCE

Sr. Clinical Informatics Pharmacist *St. Patrick's Hospital (Providence), Missoula, MT* *Sep 2020 – present*

Primary pharmacy informatics resource for three Providence-St. Joseph Health (PSJH) regional hospitals in the Missoula, MT area.

Assisted with the aspects of the Epic system design at facilities in northern California onboarding into the PSJH health system.

Served as the clinical lead for implementing the automation of TPN ordering from Epic to the Baxter compounder at St. Patrick's facility, reducing reliance on third-party software (Abacus)

Successfully implemented Epic's dispense prep activity to improve NDC capture for St. Patrick's 340B program and assist with the transition away from PharmacyKeeper.

Pharmacist, Technical Analyst *Seattle Children's Hospital, Seattle, WA* *May 2016 – July 2020*

Primary project lead assisting with the conversion and integration of Epic's Willow Ambulatory solution with other Epic modules within the Epic ecosystem across Seattle Children's inpatient and outpatient clinics.

Served within a multifaceted nine member pharmacy informatics team (PIT) as a technical analyst to manage the complex multi-system environment in place at Seattle Children's Hospital

Participated on five member team that received special recognition for innovating and successfully implementing a fully electronic TPN ordering solution within Cerner Millennium

Facilitated the build and design of multiple PowerPlans for the Seattle Children's Dialysis department, as well as automating batch dispensing for recurring patients served by our dialysis units

Designed new order entry formats and PowerPlans to facilitate the placement of antibiotic desensitization protocols

Assisted with the testing and implementation of electronic medication requests from within PowerChart, improving efficiency in nursing-pharmacy communications

Collaborated with the medication safety coordinator at Seattle Children's to develop programmatic solutions leveraging CCL/Oracle to display medication characteristics on both medication labels and visually on nursing dashboards, drawing attention to hazardous medications and high

vascular injury medications

Assisted with the management of the drug formulary and order catalog, including the following: order sentence build, synonym management, IV set build, and PharmNet drug product build

Authored a myriad of reports in both Discern Visual Developer and Discern Analytics to serve operational and clinical needs

Informatics Pharmacist

Bartlett Regional Hospital, Juneau, AK

Oct 2014– Apr 2016

Successfully served as the pharmacy department's lead implementation and project management specialist for a "big bang" Meditech 6.x implementation, rolling out CPOE, BCMA, and e-prescribing functionality within the assigned project timeframe

Coordinated with nursing unit leads, nursing informaticists, pharmacists, and physician staff to review and build dozens of clinical order sets from paper-based sources to meet the needs of the patients, the pharmacy department and other clinical staff

Designed reports using Meditech's report design tools for realtime clinical reporting needs, in addition to reports using data warehouse (Meditech's DR) and SQL reporting services for providing analytics relating to pharmacy operational and financial needs

Consulted with pharmacy and hospital leadership to promote the initiation of a technician-based medication intake coordination practice, mitigating intake-related medication conversion gaps and cultivating positive nursing-pharmacy relationships

Pharmacist, Clinical Specialist (Informatics) *Denver Health and Hospital Authority, Denver, CO*

Aug 2011 – Sep 2014

Led the analysis of and integration of over 6,000 medication orders during the successful transition to a new EMR system: developed medication order testing plans; identified caveats to medication order conversions and proposed workarounds for problematic orders; designed and built hundreds of new medication orders to support the new EMR environment; identified integration issues between the CPOE system and pharmacy software system, communicating those issues with the EMR vendor; assisted with the planning and review of system workflows to reproduce previous system-driven processes within the new implementation; provided input regarding report design and report content; assisted with data collection, testing, and development of clinical workflows for pediatric weight-based dosing; and provided post-implementation support for troubleshooting issues between the pharmacy software and CPOE system

Acted as the primary technical resource and pharmacy lead for the implementation of a custom label printing technology (NEPS), designing customized label solutions and successfully integrating the printing solution with both the pharmacy and medication barcode scanning software systems

Successfully led the upgrade and conversion of the inpatient pharmacy and medication bar code scanning software, migrating both software systems from a locally hosted architecture to a remotely hosted, ASP framework

Implemented 340b split billing software and developed medication charge data import methods for tracking 340b purchase eligibility and for the maintaining 340b purchasing compliance

Facilitated the installation and configuration of Pyxis automated dispensing systems (ADS), coordinating with Denver Health and vendor personnel to successfully implement these systems for both the ICU and Pavilion M expansions

Developed the design specifications and data flow for the integration of a new Pyxis environment (CCE), serving as technical resource in collaboration with Denver Health, Siemens, CareFusion, and Talyst technical staff

Designed Crystal Reports based-reports incorporating data from multiple database systems to assess

medication-based factors for collaborative pilot projects involving physician staff, nursing and pharmacy: e.g., fall risk, post-surgical DVT prophylaxis, antibiotic utilization data, etc.

Assisted with the maintenance of the inpatient pharmacy drug formulary and development of CPOE medication orders for newly added formulary items

Developed queries and reports for the purpose of assessing the inpatient pharmacy's medication charging, providing monthly financial summary reports to Denver Health's accounting and finance department to assist with revenue cycle analysis

Provided assistance within the inpatient pharmacy staffing rotation, fulfilling staffing obligations in both internal medicine and behavioral health settings

Received multiple awards (Star Awards) in recognition for outstanding service from both inpatient pharmacy personnel and external personnel in Denver Health's information technology group

Staff Pharmacist, Intermittent

Denver Health and Hospital Authority, Denver, CO

July 2010 – Aug 2011

Performed clinical reviews of all medication orders, evaluating all for both clinical appropriateness and potential drug-drug/drug-lab interactions

Provided advisement to both physician and nursing staff for medication ordering and medication administration, offering clarity on medication efficacy, administration, drug information, and institutional policy-related matters

Routinely monitored drug therapies outside of routine order review, providing interventions when necessary

Maintained pharmacy operational requirements by inspecting medications prepared by pharmacy technician personnel, assuring all prepared medications adhered to both regulatory and institutional requirements

Intermittently engaged in informatics-related activities (e.g., medication testing) with respect to administration of the inpatient pharmacy software and project planning for the Soarian Clinicals project

Provided mentorship and shadowing opportunities to pharmacy student interns

Pharmacy Application Analyst

Denver Health and Hospital Authority, Denver, CO

May 2007 – May 2009

Acted as the primary analyst for the implementation of automated dispensing (ADS) and formulary inventory management technologies within the inpatient pharmacy environment (e.g., Talyst Packager & drug carousel drug storage systems)

Served as a key participant in the testing and hospital-wide implementation of medication-patient barcode scanning software (BCMA), evaluating over 2,000 medication items in the inpatient pharmacy's drug formulary, thereby supporting the nursing staff in reducing the incidence of failed barcode administrations post-implementation

Performed systems administration tasks within the inpatient pharmacy software (e.g., Siemens Pharmacy Workstation) for the following: drug formulary management, construction of drug order sets, end-user account management, and troubleshooting end-user issues, etc.

Coordinated with third-party vendors and internal IT staff for the timely resolution of technical matters relating to pharmacy technologies and other supportive technologies within the Denver Health environment Regularly designed customized clinical reports utilizing database-driven technologies (e.g., Crystal Reports, MS Access) to assist the pharmacist staff with clinical decision making

<i>Pharmacy Intern</i>	<i>Denver Health and Hospital Authority, Denver, CO</i>	Aug 2006 – May 2007
<p>Performed medication order entry under the supervision of inpatient pharmacy staff pharmacists</p> <p>Assisted with medical reconciliation-related tasks in the hospital setting</p> <p>Participated in medical rounds under the supervision of the precepting pharmacist</p> <p>Assisted the pharmacy technician staff with operational duties</p>		
<i>Pharmacy Technician</i>	<i>Denver Health and Hospital Authority, Denver, CO</i>	Jan 2005 – Aug 2006
<p>Responsible for the manufacturing and delivery of medications to the various clinical units throughout the hospital environment</p> <p>Assisted with IV/admixture-related tasks during scheduled shifts</p> <p>Performed bulk and patient-specific compounding of oral suspensions and solutions</p> <p>Assessed medication inventories in Pyxis MedStations assuring the accuracy of controlled and non-controlled medication inventories, in addition to facilitating the removal of expired medications from the current drug inventory</p>		

NON-HEALTH CARE EXPERIENCE

<i>Database Developer</i>	<i>Wall Street on Demand, Boulder, CO</i>	Jan 2004 – May 2004
<p>Assisted with the development of several large-scale websites for investment firms (e.g., Charles Schwab, Lipper Funds)</p> <p>Developed back-end databases and data retrieval methodologies utilizing Microsoft SQL Server for the storage and retrieval of both firm and customer-specific data</p>		
<i>Senior Systems Engineer</i>	<i>AT&T Broadband/Comcast, Englewood, CO</i>	Dec 2000 – Jan 2004
<p>Designed and deployed applications utilizing both script-based and higher-level languages (e.g, Perl, C++) for the purpose of tracking information technology assets in both regional and corporate settings</p> <p>Regularly communicated asset status and network health metrics relating to infrastructure security to the Chief Information Officer (CIO) and regional information technology directors</p> <p>Received several special recognition awards for service excellence and innovation</p>		
<i>Network Administrator</i>	<i>US West Advanced Technologies, Boulder, CO</i>	May 2000 – Nov 2000
<p>Performed management and maintenance of the information systems infrastructure within telecommunications research facility</p> <p>Developed automated methods for the management of the IT infrastructure, utilizing relational databases, scripting languages, and other software development environments</p>		
<i>Systems Implementation Manager</i>	<i>Decision Consultants, Broomfield, CO</i>	Mar 1999 – May 2000
<p>Functioned as a project manager and technical support supervisor, assuring the timely implementation of a large-scale software package (e.g., SAP) on PC-based systems within the various business units at the Coors Brewing Company</p>		
<i>Technical Support Engineer</i>	<i>Nextel Communications, Englewood, CO</i>	Jan 1998 – Mar 1999
<p>Provided second level technical support, assisting cellular subscribers with cellular registration issues</p>		

Promoted to technical support department team lead within six months of hire

INFORMATION TECHNOLOGIES

Microsoft SQL Server, T-SQL, SQL Server Reporting Services (SSRS), Microsoft Access, Microsoft Excel, Visual Basic for Applications (VBA), SharePoint, Business Objects Crystal Reports, PHP, Perl, Python, Cerner Command Language (CCL), Javascript, Node.js, React, Bootstrap, and C++

HEALTH INFORMATION SYSTEMS & CONCEPTS

Epic Willow Ambulatory, Willow Inventory, and BestPractices Advisories; Cerner PowerChart; Cerner PharmNet; NCPDP 10.6/20170701 standards; Meditech 6.x platform; DrFirst & SureScripts e-prescribing networks; Omnicell ADS cabinets; Omnicell Controlled Substances Manager; Meditech NPR & MAT Report Designer; Siemens Pharmacy Clinical Workstation; Siemens MAK BCMA; Siemens Soarian Clinicals; Siemens Invision; Siemens OpenLink, HL7 messaging specifications; HEDIS measures; Pyxis Medstation 4000 ADS cabinets; X12 interfaces; Talyst AutoPharm and AutoPack systems; SNOMED, ICD-10, & RxNorm terminologies; Macro Helix and Morris & Dickson 340B accumulators; and Abacus TPN management software.

HEALTH INFORMATION TECHNOLOGY CERTIFICATES

Certified in Epic's Willow Ambulatory, Willow Inventory, Willow Inpatient, and Best Practice Advisory Basics Badge, 2019-2020