

# Ronald J. Cake III, Pharm.D

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## OBJECTIVE

Individual with strong information technology and pharmacy 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; medication formulary and electronic medication order management; and clinical data analysis and reporting.

## 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

*Pharmacist, Clinical Specialist (Informatics)* Denver Health and Hospital Authority, Denver, CO Aug 2011 – present

- 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 lead 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

*Pharmacy Intern* *Denver Health and Hospital Authority, Denver, CO* Aug 2006 – May 2007

- Performed medication order entry under the supervision of inpatient pharmacy staff pharmacists
- Assisted with medical reconciliation-related tasks in the hospital setting
- Participated in medical rounds under the supervision of precepting pharmacist
- Assisted the pharmacy technician staff with operational duties

*Pharmacy Technician* *Denver Health and Hospital Authority, Denver, CO* Jan 2005 – Aug 2006

- Responsible for the manufacturing and delivery of medications to the various clinical units throughout the hospital environment
- Assisted with IV/admixture-related tasks during scheduled shifts
- Performed bulk and patient-specific compounding of oral suspensions and solutions
- 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

## OTHER PROFESSIONAL EXPERIENCE

*Database Developer* *Wall Street on Demand, Boulder, CO* Jan 2004 – May 2004

- Assisted with the development of several large-scale websites for investment firms (e.g., Charles Schwab, Lipper Funds)
- Developed back-end databases and data retrieval methodologies utilizing Microsoft SQL Server for the storage and retrieval of both firm and customer-specific data

*Senior Systems Engineer* *AT&T Broadband/Comcast, Englewood, CO* Dec 2000 – Jan 2004

- 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.
- Regularly communicated asset status and network health metrics relating to infrastructure security to the Chief Information Officer (CIO) and regional information technology directors
- Received several special recognition awards for service excellence and innovation

*Network Administrator* *US West Advanced Technologies, Boulder, CO* May 2000 – Nov 2000

- Performed management and maintenance of the information systems infrastructure within telecommunications research facility
- Developed automated methods for the management of the IT infrastructure, utilizing relational databases, scripting languages, and other software development environments

*Systems Implementation Manager* *Decision Consultants, Broomfield, CO* Mar 1999 – May 2000

- 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

*Technical Support Engineer* *Nextel Communications, Englewood, CO* Jan 1998 – Mar 1999

- Provided second level technical support, assisting cellular subscribers with cellular registration issues
- Promoted to technical support department team lead within six months of hire

## **COMPUTER SKILLS**

Microsoft SQL Server, T-SQL, SQL, Microsoft Access, Microsoft Excel, Visual Basic for Applications (VBA), Business Objects Crystal Reports, PHP, Perl, Javascript, C++, and Visual Basic

## **HEALTH-IT SKILLS AND CONCEPTS**

Siemens Pharmacy Clinical Workstation, Siemens MAK medication barcode administration (BCMA), Siemens Soarian, Siemens Invision, Siemens OpenLink, HL7 messaging specifications, Pyxis Medstation 4000 automated dispensing stations, Talyst Autopharm drug carousel systems, SNOMED codes, RxNorm codes, and ICD-9/10

## **CURRENT CERTIFICATIONS**

Basic Cardiac Life Support (BCLS)	2006 - present
APhA Pharmacy-Based Immunization Certificate	2007 - present

## **PROFESSIONAL AFFILIATIONS**

American Pharmacists Association (APhA)	2006 - present
Colorado Health Information Management Systems Society	2013 - present