Éilís Crean

BMDI Technical Project Manager - VACO

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Accomplished clinical health care professional with over 20 years of experience in various US and UK health care systems (privatized and socialized) and with the ability to quickly identify and resolve organizational issues and data challenges, seeks an HL7 Analyst/Integration Engineer role within a US health care organization.

Authorized to work in the US for any employer

WORK EXPERIENCE

BMDI Technical Project Manager

VACO   -   Nashville, TN -

2017-01 - Present

Responsible for the implementation of Bedside Medical Device Integration (BMDI) across Epic project using Capsule technology. Responsibilities include:
• Leading the BMDI road mapping, approach, design, integration and go-live including medical device compatibility with EPIC
• Assisting with the standardization of device integration (working with Philips, GE, Nihon Kohden)
• Providing expertise on integration data points, BMDI Clinical Workflows, data collection and transmission.
• Team meetings, status updates, project tracking
• Assisting with implementation budget by gathering data for vendor quotes, reviewing quotes and providing recommendations based on the technology.
• SLA preparation and post golive support best practices

Technical Project Manager

eHealth Technologies -

2015-09 - 2017-01

ehealth Technologies accesses a patient's medical information by leveraging existing industry standards to ensure that all the required health information about a patient is accessible at the point of care. Trained professionals make use of proprietary technology to curate and deliver patients' disparate medical records and images electronically. Through this process clinical and operational data is captured and delivered into an actionable analytics platform. Responsibilities include:
• Deployment of products and services solutions to external customers and integration of external customers with eHealth Technologies solutions. Responsibilities include:
• Manages program of projects and project managers to ensure successful completion and coordination of efforts.
• Works horizontally and vertically with eHealth Technologies colleagues to develop project plans with agreed resources.
• Builds and manages excellent working relationships between eHealth Technologies and its external customers.
• Makes regular presentations showing the state of all active and planned projects.

• Communicates project status to internal and external stakeholders.
• Managing release(s) of online services from Initiation to Deployment

BMDI / MDI Technical Project Manager

Dimensions Healthcare   -   Laurel, MD   -

2015-01 - 2015-09

Responsible for the implementation of Bedside Medical Device Integration (BMDI) using Cerner iBus CernerWorks, CareAware iBus, CCE, MDI, CareAware Connect, CareAware Infusion Management,and Cerner DeviceWorks. Medical devices include cardiac monitors, ventilators and anesthesia machines. Also, the scoping of MDI (Laboratory devices) to Cerner connectivity. Devices included chemistry, microbiology, Point-Of-Care (POC), Bloodbank and Hematology,
Responsibilities include:
• Ongoing support and implementation of bedside medical devices (BMDI)
• Working with Laboratory vendors such as RALS, and Abbott to connect laboratory devices.
• Working with hospital laboratory working group to assess laboratory devices and contracts in preparation for connectivity to Cerner
• MDI testing and creating MDI test scripts in collaboration with the Cerner PathNet team and hospital laboratory team.

BMDI Technical Project Manager

Martha Jefferson Hospital   -   Charlottesville, VA   -

2014-07 - 2014-12

Responsible for the implementation of Bedside Medical Device Integration (BMDI) across Cerner using Cerner VitalsLink (telemetry) and iBus, CernerWorks, CareAware iBus, CCE, MDI, CareAware Connect, and Cerner DeviceWorks,. Medical devices include Philips PatientLink, cardiac monitors (MP50s) and Philips Gateway.
Responsibilities include:
• Work with Philips to gain understanding of PatientLink and Traceview and work with both Cerner and Philips to connect the fetal monitors and cardiac monitors for BMDI
• Work with Telemetry, PACU, L&D and OB clinicians to understand the workflow and to ensure that BMDI is setup to suit these clinical needs
• Provide MJH clinical groups including Telemetry, PACU, L&D and OB education, support and knowledge transfer of the BMDI tools

Technical Project Manager Partners Healthcare

BMDI   -   Boston, MA   -

2014-01 - 2014-07

Responsible for the implementation of Bedside Medical Device Integration (BMDI) across Epic project using GE Carescape and Unity id, Philips, OBIX and iSirona (Includes ventilators, cardiac monitors, fetal monitors, anesthesia machines and heart & lung machines). Also includes Cerner. Responsibilities included:
• Connecting anesthesia machines, vents and cardiac monitors in Cerner SurgiNet and Powerchart for BMDI. (iBus)
• Providing support for Cerner orders (Powerplans) and flowsheet (iView) build post-golive (Surginet and Powerchart)

• Decision support for EPIC implementation for fetal monitors, heart & lung devices, cardiac monitors and vents

HIE Technical Analyst

Caradigm - Burlington, VT -

2012-07 - 2013-12

Caradigm Health Information Exchange (HIE) connects disparate systems across a community. It enables the sharing of data among large healthcare organizations, community-based providers and patients. Responsibilities included:
• Working with CDA based message formats (CCD), HIE profiles (PIX/PDQ, XDS) and Consent strategies
• Developing Designs, Requirements, Implementation plan for new interface components
• Lead role in designing testscripts and testing plan that was adopted across the enterprise
• Managing the error queue as part of production control using SQL queries, SOAPUI
• Tracking status and communicating progress effectively to Project Management
• Documenting and cataloging interface specifications per client
• Taking the data feed from multiple EMR systems: Epic, Cerner, Meditech, etc. Bringing it into a database to configure it (RouteEditor & JCAPS)
• Building SQL Reports using SQL Server Report Builder
• Extensive use of change management through implementations

HL7 Integration Analyst

CHS - Franklin, TN -

2012-03 - 2012-07

Responsible for analyzing, designing, documenting, testing, troubleshooting, coordinating implementations and the provision of technical support for HL7 interfaces between Health Information Systems (HIS) and ancillary application systems. For example:
• Building radiology, transcription and laboratory interfaces (Sunquest and Quest) in Allscripts interface engine called ConnectR
• Designing and testing interfaces in Mirth and Cloverleaf.
• Developing and maintaining technical documentation, specifically testscripts to be used by the interface team for future roll-outs
• Building strong relations with business partners and team members
• Handling and parsing HL7 messages within Mirth and ConnectR including managing the error queue for respective markets.

HL7 Integration Analyst

COGENTHMG - Franklin, TN -

2011-07 - 2012-03

Responsible for interface implementations, analysis, modifications, testing, and support from pre-implementation through to post go-live activities. Reviewing, analyzing and evaluating business systems and user needs and documentation of interface details. For example:
• Managing the information systems and acting as the key technical liaison for program operations departments, vendors and information services for business and clinical interface applications
• Providing project management and support for specific applications

- Managing and coordinating implementations
- Acting as primary contact for Cogent HIS Interfaces
- Collecting data required for completion of job responsibilities
- Developing, administering, interpreting, performing analysis and presenting interfaced health information
- Aggregating, processing, reporting and interpreting data for decision making in an effective and efficient manner

BMDI Technical Project Manager

Kettering Healthcare   -   Dayton, OH   -

2010-12 - 2011-07

Responsible for the implementation of Bedside Medical Device Integration (BMDI) across Epic project using Capsule Tech technology i.e. configuration of BMDI with terminal servers as well as Capsule Neurons. For example:

- Configuring DataCaptor (CapsuleTech) BMDI servers and databases
- Using HL7 to setup system and support / troubleshoot existing sites using BMDI
- Creating of project plan and other relevant project management documentation
- Lead role in designing testscripts and testing plan that was adopted for the BMDI project

BMDI Technical Project Manager

Virtua Healthcare   -   Voorhees, NJ   -

2009-02 - 2010-12

Determine functional requirements for Siemens Soarian Critical Care Bedside Medical Device Interfacing (BMDI) project using various forms of data collection, documentation, and analysis. For example:
- Building flowsheets in Siemens Soarian Critical Care
- Implementation of BMDI in Siemens Soarian Critical Care including startup, design, unit testing and integrated testing for clinical implementation project. Also, coordinated the application support for the clinical staff.
- Lead role in designing testscripts and testing plan that was adopted for the BMDI project
- Collaborated with nursing and respiratory therapists on clinical documentation to successfully leverage the technology to automate vital sign collection
- Established business needs requirements through extensive partnership and teamwork with nursing staff; devised and documented solutions based on collated information
- Steered high-level meetings, design and status meetings
- Applied knowledge and experience of Project Management Life Cycle concepts
- Trained end-users and support staff including the creation of detailed troubleshooting guides and how-to manuals
- Adhered to aggressive timelines

Application Analyst

Children's Hospital   -   Boston, MA   -

2006-04 - 2009-02

Created, reviewed, and edited requirements, specifications, business processes, and recommendations related to Bedside Medical Device Interfacing (BMDI) project. For instance:

• Defined clinical application scope and performance objectives.
• Primarily responsible for the implementation and support of the Bedside Medical Device Interface to Cerner's PowerChart Electronic Medical Record (including some familiarity with Cloverleaf Interface Engine)
• Designed testscripts and testing plan that formed basis of implementation plan for BMDI. Selected by vendor to present same testing procedure and steps at annual conference.
• Worked with the technical lead involved in the successful implementation of the Medication Administration application called CareMobile (Pharmacy)
• Coordinated the interaction between hospital clinical users, relevant IT groups and the vendor to assist clients in achieving their information systems objectives.
• Provided primary support role for the Eclipsys Critical Care application
• Negotiated with vendors and ISD systems staff to assist clients in achieving their information systems objectives.
• Acts as a consultant to clients, as needed, to improve work flow, productivity and procedures in client
• Provided support of various Cerner products such as Message Center, Orders, Iview, Powerplan, Tasks, Event Set hierarchy, CareMobile, SurgiNet etc
• Builds CCL reports and gained extensive knowledge of backend troubleshooting using CCL queries.
• Extensive use of change management through implementations

Technical Analyst & Project Manager

Partners Healthcare   -   Boston, MA -

2001-09 - 2006-04

Served as primary point of contact and source of support for clinical users of mission-critical eScription software (a voice recognition dictation system). For example:
• Worked with EMR trainers to ensure successful eScription "go-lives" and trained users in the software.
• Developed Service Level Agreement for support of the eScription application and devise service escalation process
• Troubleshot system by analyzing HL7 messaging.
Responsible for maintenance of mission-critical oncology management system called "MOSAIQ" (Collaborated closely with vendor's (IMPAC Medical Systems') implementation and support team.)
• Determined requirements using interviews, surveys, site visits, document analysis, competitive product analysis, and workflow analysis.
• Defined scope and technical requirements for MOSAIQ and ECLIPSE treatment planning software-based projects involving the development of project specifications and quality-assurance test plans.
• Coordinated multiple functional areas in radiation oncology department and developed custom reports using Crystal Reports.
• Analyzed and resolved IT problems, maintained budget for department, and managed changes due to ongoing renovations.

EDUCATION

BSc (Hons) in Dentistry and Radiography

Guys Hospital School of Medicine   -   London, UK

1995

SKILLS

documentation, Exchange, HL7, Medical Device, Project Management

ADDITIONAL INFORMATION

SKILLS
• Bedside Medical Device Interfacing (BMDI), HL7
• American Registry Radiologic Technologists (ARRT certified)
• Project Management
• Quality control and documentation
• Health Information Exchange (HIE)
• Exceptional organizational and interpersonal skills
• Excellent written and oral skills.