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Work Authorization: Green Card

Aun Ali

Healthcare Information System (HIS) Specialist and Application Developer

- 10+ years' experience implementing, designing, developing and deploying n-tier based applications
- Integrating healthcare software with HL7, ASTM, Kermit using Tools Like (BizTalk 2006, Mirth Connect, Interface ware, nHapi)
- Managing vendors like Varian, Nuance, Meta, CNExT, Roche, etc. globally
- Transformation of Electronic Health Records (EHR)
- Manage hospital site projects globally under the AKDN network
- In-depth knowledge in Soap and Rest (using both XML and JSON) Protocol
- Health information IT system development across a wide range of medical areas, including Patient registry system, Radiology information system, medical record information management system, pharmacy system, online order entry, and clinical management system, cancer research department, etc.

EDUCATION:

MASTERS DEGREE - Computer Science

CGPA 3.36 2012

Majors: Computer Science Subjects
SZABIST Clifton Campus, Karachi, PAKISTAN

BACHELOR OF ENGINEERING INFORMATION TECHNOLOGY

CGPA 3.46 2004

Majors: Computer Science Subjects
Hamdard Institute of Information Technology, Karachi, PAKISTAN

Training Attended:

- Health Level 7 (HL7)
- Nuance Dictaphone (Power Scribe) Voice Recognition
- Agile Project Management.
- CBAP

PROFESSIONAL SKILLS:

PROGRAMMING LANGUAGES:

C#, VB.Net, VB 6.0, Java Scripting/C++, XML, UML, SQL, PL/SQL, HL7 and ASTM, WPF, HTTP, SOAP, REST, JSON, EDI X12 (835,837).

DATABASES:

Oracle, SQL Server, MySQL

TOOLS:

Microsoft Visual Studio 2010, Microsoft Visual Studio 2005, Microsoft BizTalk Server, Mirth connect, Interface Ware, Power Xpress, HL7Edit, Ms. Visio, Ms. Project, Postman, Fiddler, Erwin. Reporting Tools Crystal (8,8.5,9, dsr)

EXPERIENCE:

The Shams Group, LLC.

Software Engineer

Dallas, TX

May 2018 – Present

- Complete Automation of Receiving Process form Kick and count to Point of care .
- Develop and support integration based on EDI X12 (810,856, 832) with Asset management for Willis-Knighton Medical Center (Mirth Connect) and create EDI DataMart for reporting.
- Modify the existing Process of handle held (UWP) for Auto receiving process.
- Worked on application.Net WPF which prints ZPL Printing
- HL7 integration Between Reporting and vendor
- Working on EHR Integration using FHIR (Design Phase)
- Complete the project to convert the Ub04 to Edi837 Claim
- Create a Centralized datamart For EDI

An integral member of the flagship Point of Use (POU) Project - US Department of Veterans Affairs Hospitals

- Develop and support integration based on HL7 with Asset management for VA-VISN 10 RTLS (Mirth Connect)
- Design and develop the integration of VA VistA GIP System by creating .net RPC broker enabling the creation of a robust link between the new supply chain system and the VA legacy system also publishing the Data in the web service (C# Windows service)
- Automating the inventory management process through LogiTag's RFID Tagging capabilities (SQL Stored Procedure and Catamaran)
- Integration between in-house supply chain management systems for Healthcare facility and (Omni cell, Parex and Pyxis) Smart cabinet with HL7 (C# nHapi).
- Local Custom Frame-work (Catamaran) to write business logic and map and designed mobility screen. This whole suite is developed in WPF, Reporting on Crystal 9.
- Design and develop the integration for VA Hospitals, which is called LDWS (Logics Domain Web service) this is basically Read the Data from RPC (VA VISTA using RPC Broker) and Publish the data through WebApi.
- Develop the Business Process Web service (Following the MES - Manufacturing execution system) for HHI (Navy Ship assembly) project.
- ZPL printing for label and sticker through Zebra Printers (C# windows application)

DYNAMED CLINICAL RESEARCH L.P.
Systems Analyst

Tomball, TX
February 2015 - March 2015

- Designed and develop and implement new Integration of the Client Machine and system using HL7 and ASTM protocol for DM clinical research client.

The AGA KHAN UNIVERSITY

Karachi, Pakistan
June 2005 – December 2014

Software Designer - Aga Khan University and Hospital

- Develop and implement the ER Waiting Queue Dash-Board (asp.net, C#) (C#, crystal 9)
- Determined system requirements for the implementation and enhancement of the ADT system (online Accommodation Request) and Physician portal (identification of clinical Trial Patient)
- Lead System Analyst (PSP-Primary Support Person) for ADT, RIS (Radiology information system), VRS, Customer feedback, Varian /Aria Oncology system, CSSD Information system and physician portal system (part of EHR implementation)
- Analyze and document business requirements and design and develop detailed system requirements for LRMS (Labor Room Management System)
- Implementation and Development of LRMS system (C#, crystal 9)

Sr. Programmer Analyst - Aga Khan University and Hospital

- Design, develop and implementation of:
 - Voice Recognition system (VRS) (Power Scribe Vendor: Nuance)
 - ADT (Admission, Discharge, and Transfer) (Development & Design) using VB 6, crystal
 - Blood Bank System (Development & Design) using VB.Net, crystal 9
 - Stem Cell Bank System (Development & Design) using C#, WPF, Crystal 9
 - Customer Feedback System (Development & Design) using C#, Crystal 9
 - Cancer Registry System (CNExT Vendor: Cnet) & Abstracting System (Charms2000 & power Abstract Vendor TruCode, META)
 - Integrate the old Vitros Machine to LIS system. (ASTM)
 - Interface between
 - RIS and VRS & PACS (HL7, BizTalk Server)
 - HIS and ONCOLOGY(Varian) & Abstracting(TruCode) (HL7, Mirth Connect)
 - In house Blood Bank system and blood bank machines (Vitros Blood Screening, Crossmatch & NAT Blood Nuclear Acid Testing Machine) using ASTM protocol
 - DICOM interface between RIS with PACS(ROGAN) - this project was selected in RSNA (HL7, Mirth Connect)
 - Patient registry system, Medical Record Information management system, Out Patient Management System, CSSD Information Computer System, Radiology Information System, Customer feedback system, etc., at the following hospitals:
 - French Medical Institute (FMIC) Kabul, Afghanistan
 - Aga Khan Hospital & Diagnostic Center, Garden, Karachi, Pakistan
 - Aga Khan Maternal & Child Care Center, Hyderabad, Pakistan
 - Aga Khan Hospital for Women, Karimabad, Karachi, Pakistan
 - Aga Khan Hospital for Women Kharadar, Karachi, Pakistan

Programmer Analyst - Aga Khan University and Hospital

- Implementation of:
 - Vendor Based System (CNExT, Varian Oncology)
 - In-House Hospital Information System to Aga Khan Hospital, Nairobi, KENYA
 - EDA (Expected Discharge Admission) Primary Project for E-Health
 - ETA (Expected Transfer Admission) Primary Project for E-Health (Development & Design)
 - Received appreciation award for this project
- Participated in cross-functional meetings with Directors and Managers from business lines using PeopleSoft ERP to optimize strategic practices with PeopleSoft

2B TECHNOLOGIES

Software Engineer

Karachi, Pakistan

September 2004– June 2005

- Manage and create new SQL Server database
- Perform DBA Activities on SQL server 2000 for clients
- Develop reports on Crystal 8.5.
- Develop IVR (Integrated Voice Response) on Dialogic Card with CT media Driver using C++