

ASHIQUE ELAHI KHAN

Healthcare Integration Engineer

Prince Sultan Military Medical City (PSMMC)

under MSD, Ministry of Defense, Riyadh, Saudi Arabia

18+ Years in IT | 12+ Years in Healthcare Integration

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PROFESSIONAL SUMMARY

-  12+ years of specialized experience in healthcare integration as a Healthcare Integration Engineer
 -  6+ years of experience as a Senior Java/J2EE Software Engineer
 -  Worked as a Guest Lecturer for Computer Science diploma students at a deemed university
 -  Worked as a Research Assistant and Computer Programmer for over 1 year
 -  Orion Health Rhapsody Integration Engine V6 Associate - Certified Developer
 -  Completed training in Cerner EHR and FSI modules, including Open Port and Open Engine
 -  Successfully completed the NIIT Java/J2EE course
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PROFESSIONAL EXPERIENCE

Healthcare Integration Engineer

Prince Sultan Military Medical City (PSMMC), Riyadh, Saudi Arabia

November 2013 – Present | 12+ Years

Core member of the Foreign System Interface (FSI) team, involved in the full healthcare integration interface development lifecycle.

Key Contributions & Responsibilities

- Involved in the full integration interface development lifecycle, including:
 - Information gathering through calls, emails, and meetings
 - Feasibility analysis and interface design
 - Interface implementation
 - Unit testing and User Acceptance Testing (UAT)
 - Production deployment
- 24x7 monitoring and operational support for integration servers and interfaces
- Interface enhancements and maintenance
- Provided training and knowledge transfer to new integration team members.
- Prepared technical documentation for implemented integration interfaces.
- Monitored and maintained the Rhapsody Integration Engine running in a failover cluster
- Developed Java-based web tools to facilitate integration activities: FSI Tracker and HL7 Interpreter

Selected Healthcare Integration Projects

#	Interface	Technologies / Messages	Application / Purpose
1	Nphies	HL7 v2.x, FHIR, CDA, DICOM	HIE Integration
2	NIC / Yakeen	HL7 Query, JSON via REST API	Patient Registration
3	Sedco Queuing System	HL7 Query, JSON	Quick Kiosk Check-In
4	R4 Carestream	HL7 ADT, SIU, DFT	Dental Clinics
5	Pyxis ES	HL7 ADT, MFN, RDE, DFT, ZPM	Inpatient Pharmacy
6	Pharmaflow	HL7 MFN, OMP, RDE	Outpatient Pharmacy
7	4C Gate Quick Registration	HL7 ADT, ORM, QRY, JSON	Emergency Department
8	Cardiovascular Ascend	HL7 ADT, ORM	Cardiovascular Department
9	MedInfo	HL7 ADT, BPS	Blood Donor Clinic
10	Endosoft	HL7 ADT, ORU, Encrypted PDF	Endoscopy Clinic
11	Philips ICIP	HL7 ADT	ICU
12	PowerScribe	HL7 ORM, ORU	Radiology Dictation
13	GE PACS	HL7 ADT, ORM, ORR	Radiology
14	GE ViewPoint	HL7 ADT, ORU, Encrypted PDF	Women's Health
15	Check-In SMS Alerts	HL7 SIU, XML, SOAP	Patient SMS Alerts
16	Diabetic Registry	HL7 ORU, XML	In-house Diabetic Registry
17	R4 Dental Registry	HL7 Query, XML	In-house Dental Registry
18	Newborn Screening SMS & Email Alerts	HL7 ORU, XML, PDF via Java	Newborn Critical Alerts
19	Control Drug	HL7 ORM, RDS	Narcotic Drug Orders
20	Cerner Bridge	HL7 ADT, ORM, ORU, BTS	Breastfeeding & Blood Transfusion
21	Philips CathLab	HL7 ADT	Cardiovascular Department
22	Philips ICIP	HL7 ADT	Emergency Department
23	ERP (Oasis / Balsam)	CSV Proprietary Format	ERP Department
24	Cerner Classic Lab	Cerner Proprietary File Format	Legacy Lab Results
25	In-House Applications	HL7 ADT, SIU, RDE, ORM, ORU	CDR Synchronization with Cerner

Freelance Healthcare Integration Consultant

Fiverr Vetted Pro | Freelance / Remote

Undertake selected freelance healthcare integration projects alongside my primary role, focusing on:

- HL7 v2.x interface development and troubleshooting
 - Interface design and integration consultation
 - Technical support and problem-solving
 - Source code and technical documentation
 - One-to-one online sessions on Integration Fundamentals and Basics of Integration
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TRAINING & CERTIFICATIONS

- Orion Health Rhapsody Integration Engine V6 - Associate Certification
 - Orion Health Rhapsody Integration Engine V6 - Basic Maintenance Certification
 - Cerner Fundamental Course - Completion Certificate
 - Cerner Open Port Course - Completion Certificate
 - Cerner Open Engine Course - Completion Certificate
 - Cerner OpenLink Course - Completion Certificate
 - NIIT Sun Java/J2EE Course - Completion Certificate
 - FHIR Webinar Series - One Month
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PREVIOUS PROFESSIONAL EXPERIENCE

Senior Software Engineer – Java/J2EE

mPortal Pvt. Ltd., Bangalore, July 2013 – November 2013 | 5 Months

- Developed web applications using the Spring MVC framework
 - Developed RESTful web services consumed by Android and iPhone mobile applications
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Senior Software Engineer – Java/J2EE

TechTree IT Pvt. Ltd., Bangalore, August 2009 – July 2012 | 3 Years

- Worked across the complete software development lifecycle, including client interaction, requirements gathering, design, development, testing, deployment, documentation, code reviews, and team training
 - Contributed to major web applications, including e-commerce, matrimonial, and travel platforms
 - Worked as a team member, team lead, and independent developer on different modules
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Java/J2EE Developer

Merit Systems Pvt. Ltd., Bangalore, April 2007 – August 2009 | 2+ Years

- Developed Java web-based applications for clients including Aditya Birla and Rediff
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Research Assistant / Programmer & Guest Lecturer

North Eastern Regional Institute of Science and Technology (NERIST), Itanagar, October 2004 – May 2006

- Worked as a Research Assistant and Programmer on an MHRD-sponsored machine translation research project involving English and Manipuri.
 - Worked with C/C++ and data structures as part of the research project.
 - Also worked as a Guest Lecturer for Computer Science & Engineering diploma classes.
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TECHNICAL SKILLS

Category	Skills
Healthcare Integration	HL7 v2.x • Rhapsody Integration Engine • Mirth Connect • FHIR Fundamentals
Oracle Cerner Technologies	Oracle Cerner Millennium • FSI • OpenLink • Open Port • Open Engine • CCL Basics
Data Formats & APIs	JSON • XML • CSV • RESTful Web Services • SOAP Web Services
Programming & Web Technologies	Java • J2EE • JSP • Servlets • JavaScript • HTML • CSS • SQL • jQuery • AJAX • Bootstrap
Web Frameworks	Spring MVC • Struts • Hibernate Basics
Databases	Oracle • MySQL • PostgreSQL
Application Server	Apache Tomcat
Development & Version Control	Eclipse • Git
Design & Documentation	Object-Oriented Design Principles (OOD) • Design Patterns • UML • HLD • LLD
Operating Systems	Windows • Linux (CentOS, Ubuntu)

EDUCATION

B.Tech in Computer Science & Engineering

NERIST, Itanagar, Arunachal Pradesh, India
2002 – 2004 | First Division | CGPA: 3.81/5.00

Diploma in Computer Science & Engineering

NERIST, Itanagar, Arunachal Pradesh, India
2000 – 2002 | First Division | CGPA: 3.99/5.00

Certificate in Mechanical Engineering

NERIST, Itanagar, Arunachal Pradesh, India
1998 – 2000 | First Division | CGPA: 4.34/5.00

HSLC (10th Standard)

Cambridge English School, Imphal
1997 | First Division | 61.66%

PROFESSIONAL CREDENTIALS

Saudi Council certification and DataFlow verification completed for the highest educational qualification and previous work experience.

PROFESSIONAL PROFILE

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