Ashok Kumar T

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SKILLS & EXPERTISE

- Decade of experience as a senior software engineer in InterSystems products such as IRIS for Health, Interoperability(formally known as Ensemble) Interoperability(formally known as Ensemble)
- The FHIR paradigm (RESTful service+ SDA3) orchestrated and implemented to leverage the application complexity and increase the flexibility to adapt with modern technology stack.
- FHIR, Cache Object scripting, SQL, CCDA and JSON Modeling
- Enhanced and strengthened the application by migrating its legacy custom data model to FHIR standard and HL7 v2.x data models
- Worked on the migration and enhancement of legacy systems built with MUMPS.
- Mapped and transformed legacy data structures to align with new database schemas and formats.
- Utilize the multi model capability such as Object oriented, SQL etc.. to enhance the application capability
- Worked on the interfaces with HL7 messages. Converted the custom legacy interface to InterSystems interoperability production.
- Devised various documentations such as architectural, technical, high level documentation
- Experience in writing elegant, self-documenting code, easy to read and adapt for other developers
- Applying the Agile Software Development Life Cycle(SDLC) methodology to ensure and guarantee continuous development and development.
- Worked on Version Control tools like Git.
- Implemented the RESTful service application for web based application
- Delivered the high reliability and stability business logic to create a application easy adaptable.
- Developed and executed Python scripts using Embedded Python in InterSystems IRIS.

CERTIFICATION

- InterSystems IRIS Core Solutions Developer Specialist

HONORS & ACHIVEMENTS

- 3 quarters of the Best Performance Award winner and twice in the top three performance list.

EDUCATION

Kongunadu College Of Engineering And Technology
B.Tech Information technology

EXPERIENCE

Harris Computers   2022-Present

Legacy Flex to NHS FHIR generation with FHIR Facade

- The FHIR facade layer's architectural design Adjust the FHIR custom data model. archived created FHIR resources for later usage on the InterSystems FHIR server. 20% better read performance is achieved by this technique, which speeds up the flow for instant access.
- Evaluate and process the FHIR message obtained from the interface, transform it into an internal data model, and store the result data into the database.
- Make use of the interoperability production to connect to the NHS servers and send the resources associated with allergy intolerance.
- Developed and integrated server-side components for NHS 111 using the FHIR standardside

Patient clinical documentation generation

- A web-based tool for creating documentation on patient encounter details as part of the patient clinical documentation. these extremely customizable and adjustable data elements save the patient's information
- actively collaborated with the user interface team on designing the front-end design and backend implementation entire report implementation.
- incorporated and enhanced the web-based user interface's support for the legacy data elements already configured in application to make it faster for clients to migrate their data. This easily results in a 40% increase in the application's consumption.
- Designed and managed custom endpoints using CSP / Web Gateway / IRIS Web Applications and versioning, and API documentation (Swagger/OpenAPI).
- Built robust backend logic using ObjectScript for performance-critical operations.

TATA Consultancy services
kaiser permanente   2018-2022

Migration of the Legacy screens to Angular based application

- Architectural design to convert from the Legacy IRIS based application to web based application.
- Converting the Legacy HL7 to FHIR message standard Create a FHIR Facade layer in the legacy application and communicate with external system.
- Created a object oriented definitions to achieve multi model capability and make it a sophisticated and efficient way. It provides a 30% improvement in application capability.
- Assist in the architectural design of the HL7 migration of the customized data model.
- Involved in the Interoperability production for design, development for the angular web based application
- Created and deployed the various interoperability hosts in productions to leverage the legacy connections for the external and internal systems.
- Implemented the FHIR conversion from the custom data model.
- Worked on Inbound and outbound message orders and results formats

4W Technologies
SurgiDat   2014-2016

- worked as a interface engineer and transfer of a system-based application to a web-based application.
- worked on the transfer of a system-based application to a web-based application.
- Worked on the programming to construct the HL7 message generation. Transfer the message from one to another
- Developed and enhanced the Ensemble productions to read a variety of files from Folders, FTP, Email and store the data's into Database.
- Created the documentation for the external language implementation and migration of the application.
- Built a new codebase from scratch, Provide high degree of support and maintenance are provided.