# Le Yang

## Personal Information

| | |
|---:|:---|
| Address: | 12150 Ams Run, Carmel, Indiana, 46032 |
| Phone: | (718) 751-5228 |
| Email: | le.yang@gmail.com |

## Professional Summary

More than 17 years working with various information platforms, and 15 years working with the Allscripts Sunrise platform - Clinical Manager, Emergency Care, eLink, SIM, and CDS; Core, interface, and customization team lead with major configuration and development experience; Solution architect for workfow analysis and design, implementation, build, training, and activation support; Ability to create a safe and efficient patient care environment with process improvement and technology; Experience with business intelligence platforms and data analysis; Full-stack web developer

## Core Competency

- critical thinking
- proven track record of project delivery results
- attention to detail
- perform well under pressure
- team leadership
- communication and interperonal skills

## Professional Experience

| 04/2021–01/2023 | **University Hospitals** | Cleveland, Ohio |
|---|---|---|
| | *Custom Content Developer* | |

- Provided clinical decision and custom content support during client's transition to another EHR.
- Developed process to allow persistent outcome tracking and handling. Improved component interaction.
- Optimized application performance through code or process enhancements.
- Educated team members on best practice approaches for their assigned tasks.
- Participated in internal code review to improve code quality and to aid knowledge transfer.
- Led specialty projects through requirements gathering, coding, testing, and documentation.

| 03/2016–06/2021 | **University of Kentucky Healthcare** | Lexington, Kentucky |
|---|---|---|
| | *MLM Writer* | |

- Developed Medical Logic Modules (MLM) using Arden Syntax standards to supplement system logic including alerts and hard stops, data integration, result processing, order generation, enforcement of adherence to workflows and automation of document or order entry.
- Planned, managed and led the development, implementation, ongoing maintenance, testing, and support of the MLM enhancements to the enterprise clinical system.
- Monitored the system on a daily basis to ensure data integrity, consistency and accuracy.
- Worked with other application team members to determine strategies for meeting service-specific needs through the implementation of MLM.
- Integrated standard-based technologies within the Allscripts platform to deliver platform agnostic solutions to work orders and service requests.

| 07/2017–11/2018 | **Jefferson Regional Medical Center** | Pine Bluff, Arkansas |
|---|---|---|
| | *Integration Consultant* | |

- HL7 Interface Engineer with Allscripts integration engine, eLink.

- Facilitated the planning of and execution of various integration initiatives to meet enterprise technical, security, and business requirements.
- Optimized integration and data flow strategy. Provided research data support to leadership in decision making process.
- Developed bi-directional interfaces to support data exchange between enterprise registration system (Soarian Financials), clinical system (Sunrise Clinical Manager), and various ancillary systems to support both standard messaging events and custom processes.
- Introduced documentation management system to client. Authored and maintained extensive technical documentation related to interface development and business processes.

10/2010–03/2016 | **Ascension St. Vincent** | CARMEL, INDIANA
*Implementation Consultant*

- Developed custom tools and tabs leveraging Allscripts ObjectPlus platform. Executed full software development cycle from requirements gathering to testing to preparation of turn-over documentation including functionality overview, workflow diagrams, and technical references.
- Developed complex MLM for clinical decision support, including many automated processes. Drafted architectural design guidelines for MLM development to improve coherence among direct and indirect execution of multiple MLMs to aid with process efficiency and to reduce failure points.
- Integrated ObjectPlus technologies with MLM development to deliver best user experience and process outcomes.
- Developed custom scripts to automate repetitive tasks: standard policy maintenance, charge maintenance, design point documents (formatting), test scripts (formatting).
- Developed custom queries for custom and ad hoc reporting, quality assurance, and feasibility analysis.
- Optimized stored procedures to improve query efficiency and accuracy.
- Led projects to implement Sunrise platform to network hospitals to enable majority system function (CPOE, Pharmacy, Emergency Care, etc.) and to meet Meaningful Use requirements. Conducted future state analysis and addressed workflow gaps.
- Led system upgrade projects. Performed impact analysis and lead design sessions, assisting end users with decisions on new functionality.
- Managed and supported system integration for Nutrition Services. Developed workflow recommendation and maintained related configuration items.
- Supported activation of various projects including big-bang CPOE rollout and system upgrades.
- Documented and categorized model system workflows, processes, and configured options.
- Conducted shared learning and knowledge sharing for team members.

07/2006–05/2009 | **Bronx-Lebanon Hospital** | NEW YORK CITY, NEW YORK
*Sr. Clinical Application Analyst*

- Participated in design, build and validation for system-wide Sunrise Clinical Manager EHR.
- Worked with and reported directly to C-level executives.
- Served as team lead for customization, core, and interfaces.
- Implemented all Allscripts Sunrise modules big bang in under 13 months, on time and on budget.
- Migrated and managed 20+ interfaces to new platform across multiple domains (ADT, results, document, financial, orders) while meeting previously established requirements.
- Established protocols for product documentation and change management.

## TECHNICAL COMPETENCY

- knowledge engineering
- project management
- process review and improvement
- data processing, transformation, and exchange
- test planning and execution
- Sunrise Clinical Manager 18.4 training completed
- version control practices
- cross domain knowledge

## Technical Skills

- Health Level 7 (HL7)
- Angular
- GraphQL
- OData
- eLink
- Node.js
- Electron
- SSIS/SSRS
- XML/XSLT
- Arden
- JavaScript
- TypeScript
- Python
- PowerShell
- XML
- XSLT
- Transact-SQL

## Certification

March 2018    Microsoft Certified Solution Expert (MCSE): Data Management and Analytics

## Achievements

FEBRUARY 2022 | **DocView: Downtime**

- Downtime solution developed from scratch to tailor-fit specific client requirements.
- Leveraged proven technology and frameworks–including many open-source projects– to maximize longevity and cost
- Aggregate clinical data from multiple EHR modules to allow quick, accurate, and comprehensive view of patient clinical conditions by providers.
- Scheduled delivery of downtime data ensures minimal interruption to patient care when network connectivity is limited.

NOVEMBER 2018 | **Discharge Process Optimization**

- Angular-based single page web app hosted in SCM. Centralized tool to facilitate patient discharge where previously providers were forced to use various non-connecting modules.
- Increase efficiency of discharging workflow related to consulting services, providers, nurses, and case managers.
- Increase usability and functionality of follow up appointment request and management.
- Improve quality and content of discharge instructions given to patient.
- Guide provider workflow aligned with hospital policies and regulatory requirements.

SEPTEMBER 2018 | **Integration: Orchard Harvest Laboratory Information Systems**

Order and results interfaces between Harvest, Sunrise Clinical Manager, HCLL (blood bank), Quest (reference lab). ADT and financial interfaces between Harvest and Soarian Financials.

MAY 2018 | **Integration: Soarian Financials**

- Bi-directional ADT, scheduling, and Financial interfaces between Soarian Financials and Sunrise Clinical Manager.
- Custom adapter to periodically query and generate batch charges.
- Automated charge reconciliation and error reporting.
- Update DRG and expected length of stay from interim coding.

APRIL 2017 | **CREST - Clinical Reasoning, Efficiency, and Surveillance Tools**

- University of Kentucky Medical Center's premier clinical decision support tools embedded into EMR.
- A central dashboard for clinicians to review relevant and time-sensitive data in order to provide prompt clinical care to patients. Clinicians can perform various actions and interact with current chart directly from the dashboard.
- Improved clinical response efficiency by over 300% when compared to previous workflow.
- Used modern web front- and back-end technology to deliver modular, fast, and aesthetically pleasing dashboard.
- Leveraged platform API to provide tight integration and additional capabilities when used within enterprise EHR.

MARCH 2017 | **SCM Web Service**

- Designed and developed web service layered on top of SCM.
- Provided end points for querying many clinical and business data e.g. visit, orders, documents, results, flowsheets, etc.
- Provided end point to add, delete, and update custom data.
- Allow rapid application development with easy data access and processing.
- Filled the critical missing piece in SCM product offering.

DECEMBER 2016 | **Automated JCode Waste Billing**

- Respond to regulatory change to capture medication wastage, especially for high ticketed items.
- Automated waste charge entry from reported usage.
- Helped organization to reduce risk of losing many thousands of dollars in reimbursement due to potential missed wastage billing.

JULY 2016 | **Enterprise Data Batch Update**

- Scheduled and on-demand batch update of clinical and business data.
- Designed workflow to allow easy integration to update additional component. Initial release updates enterprise visit data and comment.
- Provided critical support to ER tracking.
- Replaced MLM-based approach that is error-prone and indeterministic.

JUNE 2016 | **Continuous Integration**

- Designed and setup automatic deployment and refresh of MLM upon code checking in.
- Enforced deployment workflow with syntax and status checking of committed assets.
- Improved accuracy and efficiency with new environment setup, such as during an upgrade.

FEBRUARY 2016 | **Medication Reconciliation Enhancements**

- Automatic substitution of combo medication to component orders.
- Minimize order form open during admission reconciliation.
- Custom prompt for mandatory/required information without complete form open.
- Submission of clarification order for medications marked with pending review during admission reconciliation.
- Custom discharge medication report.

FEBRUARY 2016 | **Non-Violent Restraint Order Renewal**

- Enforce non-violent restraint order to expire before midnight.
- Prompt requesting provider upon logging into SCM to renew previously expired non-violent restraint orders.
- Automated order submission from provider selection without any additional action from provider.

OCTOBER 2015 | **Inpatient Admission Order and Certification**

- Designed and developed workflow to meet CMS requirement on inpatient admission order and certification.
- Helped to improve St. Vincent's financial integrity and outcome.
- Minimal impact to existing provider admission workflow.

JULY 2015 | **Sunrise Clinical Manager Implementation at St. Vincent Dunn**

SEPTEMBER 2014 | **Sunrise Clinical Manager Implementation at The Heart Center of Indiana**

AUGUST 2013 | **Sunrise Clinical Manager Implementation at St. Mary's Health System**

- Large regional health care center with multitude of clinical services.
- Total EHR replacement for inpatient, surgery, outpatient, emergency care, long term facility, and mental health services.
- On time project implementation to allow successful attestation of Meaningful Use Stage I.