

Principal Solution Architect, Clinical Data Analytics & Technology

Job ID
REQ-10089693

十月 14, 2026

India

摘要

Role Type: Hybrid working, #LI-Hybrid
Primary Location: Hyderabad, India
Other Location: Mumbai, India
Relocation Support: Yes

What if your technical leadership could transform how clinical trial risks are detected and managed across an entire portfolio? As Senior Principal Solution Architect, Clinical Data Analytics & Technology (RBQM Data Analyst), you will design and deliver scalable central monitoring analytics and technology solutions that strengthen clinical data quality, trial oversight, and operational efficiency. Combining hands-on technical expertise with portfolio leadership, you will shape monitoring platforms, risk indicators, statistical models, automation, and advanced analytics that strengthen data quality, improve operational efficiency, and enable proactive decision-making across Clinical Portfolio.

About the Role

Key Responsibilities

- Lead Central Monitoring platform configuration across an assigned portfolio of clinical studies.
- Design and maintain Key Risk Indicators, Quality Tolerance Limits, risk signals, and statistical monitoring models. Develop and support maintenance of KRIs, QTL library
- Draft Central monitoring platform specification and refer clinical protocol, CRF, Study ALS and vendor data transfer specification.
- Deliver end-to-end platform configuration, validation, user acceptance testing, and study go-live activities.
- Partner with Clinical, Central monitoring, data management, biostatistics and technology teams to deliver effective analytics strategies.
- Resolve complex data integration, transformation, visualisation, platform, and risk-signal generation issues.
- Advance automation, artificial intelligence, machine learning, and statistical approaches to improve risk detection. Simply central monitoring platform development
- Provide technical guidance, training, and knowledge sharing to members within team
- Driving AI, automation and future-state analytics strategy
- Managing relationships with vendors and key stakeholders
- Defining success measures and driving key objectives within team
- Scaling the capability across the portfolio

Essential Requirements

- More than 12-14 years of extensive relevant experience in pharmaceutical development, clinical research, data analytics, or healthcare technology.
- Strong experience delivering Risk-Based Quality Management and Central Monitoring solutions across clinical trial portfolios.
- Hands-on expertise configuring Central Monitoring platforms, analytics modules, dashboards, and reporting solutions.
- Demonstrated experience developing Key Risk Indicators, Quality Tolerance Limits, risk signals, and statistical monitoring models.
- Ability to translate complex KRIs and QTL requirements and support such output development in platform
- Strong knowledge of clinical data integration, transformation, visualisation, validation, and analytical troubleshooting.
- Strong knowledge of International Council for Harmonization E6(R3), risk-based monitoring principles, and clinical trial quality management.
- Strong leadership, communication, and stakeholder-management skills, with the ability to guide teams in a global matrix environment.
- Interpret protocols, monitoring plans, quality plans, critical data, endpoints, CtQ factors, risks, and study-specific needs
- Understanding ingestion, harmonization, mapping, transformation and data from different sources like EDC, CTMS, IRT/IWRS, laboratory and other third-party data
- Use SAS, SQL, R, Python or equivalent languages for data manipulation, analytics, automation, and troubleshooting
- Manage setup, go-live, refreshes, change requests, protocol amendments, troubleshooting, and study closeout/archival activities
- Deliver assigned work on time and to first time-right quality standards.

Desirable Requirements

- Experience implementing artificial intelligence, machine learning, automation, or advanced statistical monitoring solutions.
- Advanced knowledge of unsupervised statistical testing and approaches for improving signal quality and reducing false positives.
- Experience leading technical delivery across a portfolio of global clinical studies.
- Experience providing technical coaching, training, and guidance to junior colleagues and cross-functional stakeholders

Why Novartis

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部門

Development

Business Unit

Development

地点
India

站点
Hyderabad (Office)

Company / Legal Entity
IN10 (FCRS = IN010) Novartis Healthcare Private Limited

Alternative Location 1
Mumbai (Office), India

Functional Area
Research & Development

Job Type
Full time

Employment Type
Regular

Shift Work
No

```
var kPlayer = KalturaPlayer55802022 || KalturaPlayer; var config = { targetId:
"kalturaplayer6ad06db6f0d0f451729328", provider: { widgetId: "10m7rm1pm", partnerId:
"2076321", uiConfId: "55802022" }, playback: { autoplay: false, autopause: false, muted: false, loop:
false }, sources: { options: {}, startTime: 0 }, disableUserCache: "true", plugins: {}, sources: { options:
{}, startTime: 0 }, ui: { showCCButton: false, settings: { showQualityMenu: true, showSpeedMenu:
false }, components: { fullscreen: { disableDoubleClick: false } }, uiComponents: [ { presets:
['Playback', 'Live'], area: 'BottomBarRightControls', replaceComponent: 'Fullscreen', get:
kPlayer.ui.components.Remove } ] } }; // Check and add plugins only if they exist if
(kPlayer.plugins["download"]) { config.plugins.download = { disable: true }; } if
(kPlayer.plugins["transcript"]) { config.plugins["playkit-js-transcript"] = { position: "right", // Default:
bottom;('left', 'right', 'top', 'bottom') to enable transcript. expandMode: "over", // Default:
alongside;('alongside', 'hidden', 'over') expandOnFirstPlay: false, showTime: true, downloadDisabled:
false, printDisabled: false, disable: true }; } if (kPlayer.plugins["preventSeek"]) {
config.plugins.preventSeek = { preventSeekForward: false, preventSeek: false }; }
config.plugins.floating = { disable: true }; if (kPlayer.plugins["navigation"]) { config.plugins.navigation =
{ position: "right", expandMode: "over", expandOnFirstPlay: false, visible: false }; } if
```

```
(kPlayer.plugins["hotspots"]) { config.plugins['playkit-js-hotspots'] = { disable: true }; } if
(kPlayer.plugins["moderation"]) { config.plugins['playkit-js-moderation'] = { disable: true }; } if
(kPlayer.plugins["info"]) { config.plugins['playkit-js-info'] = { disable: true }; } if
(kPlayer.plugins["share"]) { config.plugins.share = { disable: true }; } config.ui.uiComponents = []; if
(kPlayer.plugins["googleAnalytics"]) { config.plugins.googleTagManager = {};
config.plugins.googleTagManager.customEventsTracking = {};
config.plugins.googleTagManager.containerId = 'GTM-57RJQ5';
config.plugins.googleTagManager.customEventsTracking.custom = [];
config.plugins.googleTagManager.customEventsTracking = { preset: { coreEvents: true, UIEvents:
false, playlistEvents: false, castEvents: false } }; }
```

```
// Ensure the global player registry array always exists, regardless of embed type.
window.kalturaPlayerVideos = window.kalturaPlayerVideos || []; try { var thumbEmbedPromise =
thumbnailEmbed({config, mediaInfo: {entryId: "1dgfvmafo"}}); // thumbnailEmbed() returns a
Promise that resolves with the player instance // when the user clicks the thumbnail. Use .then() to
capture the player directly. thumbEmbedPromise .then(function(player) {
window.kalturaPlayerVideos.push(player); // Notify kaltura_datalayer.js that a new player is ready so
it can // attach custom event listeners immediately, regardless of when // the user clicked the
thumbnail relative to page load. document.dispatchEvent(new CustomEvent('kalturaPlayerReady', {
detail: { player: player } })); }) .catch(function(error) { console.error(error); }); } catch (e) {
console.error(e.message) }
```

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