

m2nxt Solutions Pvt. Ltd.

ROLE DEFINITION		
Document No.	m2nxt/IT/IRIS/	Date:15.12.21
BT/SU No.	IT	Issue No.:01
Role Name	Portal Backend Developer [PBD]	
Date Applicable		

Essential Qualification	Any graduation in computer science	Desired Qualification :Any of the essential	
Other Professional Training required	DB's (InfluxDB, MySQL), Full LEMP stack developing Server PHP, Slim framework (Yii, Symfony etc) middleware, nifi, Api's, etc,..		
Overall Experience:3-5 years		Cloud platform related experience:2-3 yrs	
The R&D Portal developer, who will perform all the architect & development related activity for the assigned product IRIS platform. The responsibilities of the Portal Backend Developer are:			
Sr. No.	Role	Responsibility	Wtg./100
1.	Architect & conceptualization of framework by requirements & input's	Complete frame work design as per the concept, that clarifies the design intent & can be directly detailed into wire frames & modules for development	10
		The requirement & the frame work scope to be accepted & approved from the team IRIS.	
2.	Define the functional & software requirements	Preparation of the flow documents for the functional requirements from the backend perspective & user perspective. Preparation of the software required for the development & list it out	25
3.	Estimate time / effort for development & Design Changes	Workout the time & effort by list of WBS for better understanding	10
		Workout the design changed if any to be listed in the WBS	
4.	Identify, Training required for the development	Understand, Identify & List out the technology to be used in the project. Identify the gap & plan for the training in fast track.	5
		Plan for the next line development by training them in the gap where they will be more productive.	
5.	Define Delivery & Timeline	Prepare an delivery plan based on the WBS & project time line & recourses, for management to review.	5
6.	Development of the requirement	Development as per the time lines, WBS, protocol document, framework data on daily basis.	10
		Testing & Trials of concept, etc on daily or on case to case basis.	
		Highlight & solve the issue faced at the time of development	
		Any Design modifications, changes for resolving issues at Proving stage.	
7.	Test, Version control & Rollout	Once the software model or module is build it will be tested by the internal development team & next will be tested by the IRIS HUB & Embedded team before release.	20
		Once the test in pass & the rollout process needs to be invoked as per the Version control process & documented	
		These changes need to be communicated down to customers & users if any functional change is expected.	
7.	Debug, Revision control & rollout	Once the bug list is fixed the software model or module is build it will be tested by the internal development team & next will be tested by the IRIS HUB & Embedded team before release.	20
		User Requirement Change Requests (UCR)	

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	System Change Requests (SCR)	If the system is required to change without the user requirements having changed, (which can be caused as a result of cost reduction possibilities, improving the performance, reduce coding complication's discovery of conceptualization errors for suitability to the User Requirement, then PL will meet with the PBD, and they will jointly work out the revised SRS. The target time for completing the revision in SRS is 2 days, post reporting of problems. All implication of such changes are with PL & PBD's responsibility is only towards technical execution of the changes within the least time & cost escalation.	
8.	Design Effort Tracking & Reports	PBD will be responsible for preparing and tracking the micro schedules and sub-milestones in the design activity to ensure that design timeframes are met. He will be also responsible to prepare ongoing (weekly activity report, time sheet report, and next weeks targets) for the PBD to enable him to perform his function. PL will also furnish any other special reports on specific visits, experiments, trials, design calculation, analysis etc. that might be requested by the PBD.	5
9.	System Documentation	The PBD will ensure complete system documentation availability as per the System Documentation Checklist PRJ-DOC-xxx, before BRM. Minimum requirement for System Documentation are: Architect & conceptualization of framework drawings Module & function wise wireframe Drawings API calls list & doc / manuals for the same User manual for Module / function / role , etc.. Flow Charts of Operational Sequences for user / customer Basic User Manual – Skeleton of document with Startup / Shutdown / Programmed Sequences & Cycles & Diagnostics pages.	5
10.	Support up to closure	PBD is responsible for arranging development support up to Project Closure, as per the requirements on site, as requested by IRIS Representative.	5