



Job Description

Doc. No.	TPM-01	Revision	1
Position Title	Senior Staff Engineer	Category	Technical
Department	TPM Development Operation	Reports to	Principal Engineer
Supervises	Staff Engineer		

A. Position Purpose & Summary:

Technical Lead for the development and maintenance of application software and software solution to meet business specifications and requirements within allocated time.

B. Primary Duties & Responsibilities:

1. Develop software solutions by studying information needs; conferring with users; studying systems flow, data usage, work processes and investigating problem areas.
2. Implement the solutions through collaboration in requirements definition and analysis, prototyping, design, coding and testing.
3. Provide engineering support when building, deploying, configuring and supporting systems for users.
4. Updates job knowledge by studying state-of-the-art development tools, programming techniques, and computing equipment; participating in educational opportunities; reading professional publications; maintaining personal networks; participating in professional organizations.
5. Documents and demonstrates solutions by developing documentation, flowcharts, layouts, diagrams, charts and code comments.
6. Investigate, analyze and make recommendations to management regarding technology improvements, upgrades and modifications.
7. Apply design patterns and industry best practices in software development.
8. Adhere to the process defined and provide required metrics data for these

activities.

9. Actively participate in architecture, design, code and technical documentations review.
10. Leads, supports and develops software engineers by providing advice, coaching and knowledge sharing.

Position Requirements

C. Academic Qualification:

☒ Phd ☒ Master's ☒ Degree Others (Pls specify) Computer Science/Computer Engineering/Electronics/ Information Technology

☐ Engineering ☒ Information Technology ☐ Science ☐ Marketing / Business

☐ Finance / Management ☐ Others (Pls specify) _____

D. Experiences:

☐ Fresh ☐ 1- 3 years ☐ 5-10 years ☒ More than 10 years

☒ R&D ☒ Information Technology ☐ Manufacturing ☐ Oil & Gas ☐ Finance / Admin

☐ Sales / Marketing ☒ Others (Pls specify) At least 8 years' experience in technical solution, architecting, designing and developing large scale software systems/applications for multiple platforms.

E. Technical Skills	F. Soft Skills
<ul style="list-style-type: none"> Advanced Java programming experience. 	<ul style="list-style-type: none"> Strong analytical skills are essential to analyze both the business and technical requirements.
<ul style="list-style-type: none"> Excellent problem solving, design, development and debugging skills. Strong knowledge in J2EE, Messaging and enterprise integration 	<ul style="list-style-type: none"> Excellent project management skills to plan and monitor the progress of software development through the design, programming and testing phases so that programs are ready for planned release dates.
<ul style="list-style-type: none"> Strong knowledge in Object Oriented Programming and Design Patterns Experience with application frameworks such Spring framework, Hibernate etc 	<ul style="list-style-type: none"> Good communication and team-management skills to lead junior engineers and collaborate with programmers and other information systems specialists.
<ul style="list-style-type: none"> Experience with J2EE application using Web container or EJB container such as Apache Tomcat or JBoss 	<ul style="list-style-type: none"> Good problem-solving skills to overcome issues during development.
<ul style="list-style-type: none"> Experience using web services to communicate with applications is a strong plus. 	