Roles & Responsibilities – Technical Team

Building Software **Success Stories**

Table of Contents:

Objectives:

- Scope of work
- Creativity
- Growth Path
- Educating about future opportunities

Roles and Responsibilities for Junior Software Engineer

SECTION	JR. SOFTWARE ENGINEER
Scope of Work	Work is specially focused on application small feature / putting validations.
Code Quality	Apply knowledge gained in computer science courses to fulfil the project needs.
Software Practices	OOPs / KISS Principle
Bug Fixes	Self-written code fix.
Technical Complexity	Straightforward
Process Improvement	Improve self-written code with peer's guidance.
Self-Learn	Business Context and country of origin audience of the project.
Project Technology Knowledge	Beginner
Functional Understanding	General Project Scope Understanding & detailed understanding of own task.
Project Communication	Able to submit time sheet with reasonable details about work done

Roles and Responsibilities for Software Engineer

SECTION	SOFTWARE ENGINEER
Scope of Work	Work is specially focused on application features or minor code changes in existing codes.
Code Quality	Write good, clean, well-tested code.
Software Practices	DRY Principle
Bug Fixes	Simple fixes
Technical Complexity	Straightforward
Process Improvement	Improve debugging, analysis skills.
Impact	Maintainability
Deployment	N/A
Self-Learn	Business Context and country of origin audience of the project.
Project Technology Knowledge	Beginner
Functional Understanding	General Project Scope Understanding & detailed understanding of own task.

Roles and Responsibilities for Sr. Software Engineer

SECTION	SR. SOFTWARE ENGINEER
Scope of Work	Work is specially focused on application feature modules with a good level of analysis.
Code Quality	Write quality code to real-world problem solution.
Software Practices	DRY Principle, Abstraction
Bug Fixes	Debugging of code for application errors and address the problems.
Technical Complexity	Difficult
Process Improvement	Help other peers as and when required.
Impact	Reusability
Deployment	Development
Self-Learn	Business Context and country of origin audience of the project.
Project Technology Knowledge	Intermediate
Work Breakdown structure	Task Level
Functional Understanding	Detail understanding of own module
Project Communication	Participate in customer meeting and understand requirement directly from client for smaller projects or own tasks. Able to clear client interviews in own technology

Roles and Responsibilities for Software Analyst / Sr. Software Analyst

SECTION	SOFTWARE ANALYST / SR. SOFTWARE ANALYST
Scope of Work	Strong knowledge of computer science fundamentals and work independently on application modules / Cross-Functional tasks.
Code Quality	Write good quality, maintainable and operationally excellent code
Software Practices	Modularity
Bug Fixes	Sort and resolve issues identified for whole cycle which include all the stages (Design, Implementation, testing & Production)
Technical Complexity	Difficult
Process Improvement	Drive good practices to improve the speed of delivery.
Impact	Module Security & Performance
Deployment	Stage / QA
Self-Learn	Business Context and country of origin audience of the project.
Project Technology Knowledge	Intermediate with Project level development / production code configuration.
Work Breakdown structure	Module Level
Functional Understanding	Able to analyse the requirement and participate in functional discussion.
Project Communication	Participate in customers meeting independently.

Roles and Responsibilities for Tech Lead / Sr. Tech Lead

SECTION	TECH LEAD / SR. TECH LEAD
Scope of Work	Accelerate targeted technology development to ensure the best of research and development code is written/implemented. Timely delivery of high quality, maintainable, and operationally excellent code.
Code Quality	Drive adoption of good practices in code health, testing, and maintainability.
Software Practices	SOLID Principle
Bug Fixes	Confidently solve complex issues and identify the root cause.
Technical Complexity	Complex
Process Improvement	Technically lead projects to solve technical challenges around developers and streamline development team processes. Creates a mechanism to improve technical efficiency
Impact	Application Security & Performance Optimization
Deployment	Production
Self-Learn	Project Audience Country Compliance (like HIPPA, GDPR, etc.).
Project Technology Knowledge	Advanced (specific to the project need or near feature need) Must undergo training and certification for technologies related to individual projects .
Work Breakdown structure	Project Level
Functional Understanding	Able to develop technical estimation from the feature list.
Project Execution	Full technical ownership
Project Communication	Participate in requirement analysis call in technical capacity.
Leadership	Ability to identify training needs for the team working under him.
Hiring	Assist technical interviews and evaluate technical assignments.

Roles and Responsibilities for Tech Specialist / Sr. Tech Specialist / Tech Expert / Application Architect

SECTION	TECH SPECIALIST / SR. TECH SPECIALIST / TECH EXPERT / APPLICATION ARCHITECT
Scope of Work	Work is typically focused on project architecture / used framework. Specifically focus skill/expertise and Influence technology direction. Provide technical support for new and existing applications, acting as 3rd line of support
Code Quality	Follows and promotes SDLC best practices: Coding standard, testing, code reviews, code comments etc.
Software Practices	Strong knowledge of specialized skills, best practices / design patterns specific to project need.
Bug Fixes	Strong problem solving and troubleshooting skills with the ability to exercise mature judgment on the issues.
Technical Complexity	Significantly Complex
Process Improvement	Contribute to process improvements that boost productivity and quality. Create and own technical design documents.
Impact	Help to guide infrastructure security and right set of code to be run on production.
Self-Learn	OWASP Security Practices.
Project Technology Knowledge	Specialized in skilled framework and sub important packages of the framework. Updated with new concepts in specialized skills.
Leadership	Ability to Identify training needs for cross team/Department.
Hiring	Conduct technical interview.

Roles and Responsibilities for Project Lead / Sr. Project Lead

SECTION	PROJECT LEAD / SR. PROJECT LEAD
Scope of Work	Complete understanding of own project(s).
Process Improvement	Able to suggest and execute processes / policies / tools / practices and make suggestions for betterment of the department.
Self-Learn	Different project management practices and processes. High level knowledge of respective technology
Project Technology Knowledge	High level knowledge of core project technology
Work Breakdown structure	Project level Planning & Breakdown
Functional Understanding	Complete understanding of own project domain, ability to analyse and compare different integration points.
Project Execution	Able to lead single medium size project or multiple smaller size projects independently.
Project Communication	Independent client / external stakeholders management
Pre-Sales	Develop feature list from the client's verbal non-verbal requirement Develop cost and time estimates for small and mid-size projects
Leadership	Mentor and motivate team to produce optimum output. Able to trouble shoot team's inter personal and productivity issues
Hiring	Conduct interviews in technical and non-technical capacity
Monitoring and Controlling	Own project activities / process

Role and Responsibilities for Project Manager / Sr. Project Manager

SECTION	PROJECT MANAGER / SR. PROJECT MANAGER
Scope of Work	Complete understanding of own projects.
Process Improvement	Able to design and review processes / templates, policies, tools / practices and make suggestions for betterment of the department.
Self-Learn	Different project management practices and processes. High level knowledge of respective technology
Project Technology Knowledge	High level knowledge of core project technology
Work Breakdown structure	Project level Planning & Breakdown
Functional Understanding	Domain / Industry level understanding. Ability to analyse and compare similar solutions.
Project Execution	Able to lead large size or Multiple projects independently. Able to understand cost and revenue and produce optimum output by planning and execution skills. Provide status reporting regarding project milestones, deliverable, dependencies, risks and issues, communicating to all stakeholders.
Project Communication	Able to influence client decision for better output.
Pre-Sales	Develop project plan, cost / time estimates for larger assignment. Must able to negotiate cost and justify time estimates with clients.
Leadership	Provide complete leadership / mentorship to the team working under them.
Hiring	Conduct interviews in technical and non-technical capacity
Monitoring and Controlling	Execute processes smoothly and ensure the compliance. Ability to spot project risk in early stage and can develop effective risk mitigation plan.

Functional Direction & Abbreviation

FUNCTIONAL DIRECTION	
Scope of Work	The type of work to be done by development team.
Bug Fixes	Project Specific Bugs fix which are reported on Dev / QA / Production.
Technical Complexity	Types of technical problems/efforts that each level can reasonably handle.
Process Improvement	On development (e.g., packages, build, testability, release/deploy), customer experience (e.g., accessibility, localization, self-service), operational excellence (e.g., software resilience, maintainability)
Impact	Improvement on project quality deliverables.
Advises	The first point of contact for feature/issue suggestion.
Code Quality	Write good level of code on small feature to complex feature for operational excellency.
Software Practices	Allocate appropriate names to functions, variables, methods and file with the appropriate level.
Self-Learn	individuals take the initiative, with or without the assistance of others to learn the domain of business and country of global audience for internationalization/localization, etc.
Project Technology Knowledge	Project selected framework/architecture (.net, php, react, vue, angular, etc...)

ABBREVIATION	
Straightforward	What to accomplish is clear (and does not appear to be complicated), but how to accomplish that work is not clear.
Difficult	Requiring skill and a considerable amount of work to resolve/deliver results. examples may include refactoring portions of application, large migrations, etc.
Complex	Work is moreover related to the performance and scalability as per minimum users need on the application.
Significantly Complex	Problems/efforts have substantial risks/constraints and they conflict with each other. Not all constraints or risks are apparent. Requires enough expertise to 'see around corners' and to navigate incredibly complicated situations
Broader Tech Community	Approach to Open Source Community / World's Top Technical Leaders
Beginner	Begins with keywords, operators and expressions, statements bindings.
Intermediate	Functional Techniques, exception and error handling, state validation, Type System, program structure.
Advanced	Code Style and state management.
Specialized	Expert level hands on the skilled framework and also have connecting sub third party components enough knowledge.

About Radixweb

Radixweb is a globally acclaimed IT consulting and offshore software development leader. Our talented developers, functional knowledge, superior code quality, and expertise around a wide array of programming languages — from .Net to Node.js to React helped thousands of customers outperform.

Contact Details

India | United States | Canada | Australia
Ekyarth, B/H Nirma University, Chharodi, Ahmedabad – 382481. India
Sales +1 646 801 6885 | Careers +91-7935200685
www.radixweb.com | biz@radixweb.in | resumes@radixweb.com