

TECHNOLOGY-WISE JOB DESCRIPTION – STUDENTS FROM ENGINEERING COLLEGES/University

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JOB DESCRIPTION

1. GENERAL

- B.Tech CS/IT or MCA 2022 batch pass out
- Knowledge of basic coding languages including C++, HTML5, and JavaScript
- Basic programming experience
- Knowledge of databases and operating systems
- Good working knowledge of email systems and Microsoft Office software
- Ability to learn new software and technologies quickly
- Ability to follow instructions and work in a team environment
- Detail-oriented
- Good communication skill (verbal and written)
- Preferably completed a professional training in any one of Programming languages (C, C++, C#.Net, Java)

JOB DESCRIPTION

2. TECHNOLOGY - .NET

- Write clean, scalable code using .NET programming languages
- Remain up to date with the terminology, concepts and best practices for coding mobile apps
- Develop technical interfaces, specifications, and architecture
- Use and adapt existing web applications for apps
- Create and test software prototypes
- Develop client displays and user interfaces
- Assist software personnel in handling project related work and other requirements
- Coordinate with other software professionals and developers
- Familiarity with the ASP.NET framework, SQL Server and design/architectural patterns (e.g. Model-View-Controller (MVC))
- Knowledge of at least one of the .NET languages (e.g. C#, Visual Basic .NET) and HTML5/CSS3
- Familiarity with architecture styles/APIs (REST, RPC)
- Understanding of Agile methodologies
- Strong attention to detail
- Excellent troubleshooting and communication skills
- Knowledge of REST and RPC APIs
- Able to work well in a team setting

JOB DESCRIPTION

3. TECHNOLOGY – JAVA

- Software Coding.
- Documenting the Project Implementation
- Adhere to specified s/w Development practice and project delivery schedules.
- Good Analytical skills and Problem solving
- Commitment, Confidence and ability to self-groom to quickly learn and work with new technologies.
- Execute full software development life cycle (SDLC)
- Code, test and troubleshoot programs utilizing the appropriate framework, database, and programming technology.
- Write quality and clean code using prescribed specifications.
- Analyze performance of programs and take action to correct deficiencies .
- Design, develop, implement, and maintain java application phases, code, and software.
- Conduct software analysis, programming, testing, and debugging, as well as recommending changes to improve the established processes.
- Transform requirements into stipulations and identify production and non-production application issues
- Patience and perseverance to overcome challenges, solve problems, and learn new computer languages and techniques.
- Familiarity with a variety of designs, languages, and methodologies (e.g. SQL, ORM, J2EE, RabbitMQ, Microservices, Agile and Scrum)
- Competence and comfort using multiple frameworks (e.g. Spark, Storm, Hadoop, Angular 2/4/5, Spring Boot)
- Ability to gather accurate requirements and work closely with stakeholders to prioritize tasks and the scope of development.
- Strong attention to detail with the ability to identify errors and make adjustments in a testing environment.

JOB DESCRIPTION

4. TECHNOLOGY – ANGULAR

- Designing and developing user interfaces using angularJS best practices.
- Adapting interface for modern internet applications using the latest front-end technologies.
- Writing JavaScript, CSS, and HTML.
- Developing product analysis tasks.
- Making complex technical and design decisions for AngularJS projects.
- Developing application codes and unit tests in AngularJS, Java Technologies, and Rest Web Services.
- Conducting performance tests.
- Consulting with the design team.
- Ensuring high performance of applications and providing support.
- Previous work experience as an angularJS developer.
- Proficient in CSS, HTML, and writing cross-browser compatible code.
- Knowledge of JavaScript MV-VM/MVC frameworks including AngularJS.
- Excellent communication skills.
- Critical thinker and good problem-solver.

JOB DESCRIPTION

5. TECHNOLOGY – REACT

- Leverage the inbuilt React toolkit for creating frontend features
- Create data visualization tools, libraries, and reusable code for prospects
- Integrate designs and wireframes within the application code
- Monitor interaction of users and convert them into insightful information
- Write application interface code with JavaScript
- Enhance application performance with constant monitoring
- Translate wireframes and designs into good quality code
- Optimize components to work seamlessly across different browsers and devices
- Good understanding of CSS libraries, GIT, Sigma, Adobe XD etc.
- Proper user information authentication
- Develop responsive web-based UI
- Strong proficiency in JavaScript, object model, DOM manipulation and event handlers, data structures, algorithms, JSX, and Babel
- Complete understanding of ReactJS and its main fundamentals like JSX, Virtual DOM, component lifecycle, etc.
- Preceding experience with ReactJS workflows like Flux, Redux, Create React App, data structure libraries
- Understanding of RESTful APIs/GraphQL, HTML/CSS, ES6 (variables and scoping, array methods), code versioning tools like GIT, SVN, etc., popular frontend development tools, CI/CD tools, DevOps, performance testing frameworks like Mocha, Node + NPM
- Developing new user-facing features using React.js
- Building reusable components and front-end libraries for future use
- Translating designs and wireframes into high quality code
- Optimizing components for maximum performance across a vast array of web-capable devices and browsers
- Knowledge of isomorphic React is a plus
- Familiarity with RESTful APIs
- Knowledge of modern authorization mechanisms, such as JSON Web Token
- Familiarity with modern front-end build pipelines and tools
- A knack for benchmarking and optimization
- Familiarity with code versioning tools **{{such as Git, SVN, and Mercurial}}**
- Constant interaction with other developer teams and design team to discuss UI ideas
- A thorough review of applications needs and interfacing elements
- Follow proper documentation for changes in application and further updates

JOB DESCRIPTION

6. TECHNOLOGY – NODE JS

- Developing and maintaining all server-side network components.
- Ensuring optimal performance of the central database and responsiveness to front-end requests.
- Collaborating with front-end developers on the integration of elements.
- Designing customer-facing UI and back-end services for various business processes.
- Developing high-performance applications by writing testable, reusable, and efficient code.
- Implementing effective security protocols, data protection measures, and storage solutions.
- Running diagnostic tests, repairing defects, and providing technical support.
- Documenting Node.js processes, including database schemas, as well as preparing reports.
- Recommending and implementing improvements to processes and technologies.
- Keeping informed of advancements in the field of Node.js development.
- Bachelor's degree in computer science, information science, or similar.
- At least two years' experience as a Node.js developer.
- Extensive knowledge of JavaScript, web stacks, libraries, and frameworks.
- Knowledge of front-end technologies such as HTML5 and CSS3.
- Superb interpersonal, communication, and collaboration skills.
- Exceptional analytical and problem-solving aptitude.
- Great organizational and time management skills.
- Availability to resolve urgent web application issues outside of business hours.

JOB DESCRIPTION

7. TECHNOLOGY – PYTHON

- Writing effective and scalable Python codes
- Designing and implementing robust applications
- Debugging applications to ensure low-latency and high-availability
- Integrating user-facing elements with server-side logic
- Implementing security and data protection
- Accommodating various data storage solutions
- Good knowledge Django, Flask or similar Python frameworks
- Familiarity with front-end technologies, such as JavaScript, HTML5, and CSS3
- Knowledge of ORM (Object Relational Mapper)
- Familiarity with various testing tools.

JOB DESCRIPTION

8. TECHNOLOGY – JAVA SCRIPT

- Develop new user-facing features
- Build reusable code and libraries for future use
- Ensure the technical feasibility of UI/UX designs
- Optimize applications for maximum speed and scalability
- Assure that all user input is validated before submitting to back-end services
- Collaborate with other team members and stakeholders
- Skills and Qualifications
- Strong understanding of JavaScript, its quirks, and workarounds
- Basic understanding of web markup, including HTML5 and CSS3
- Good understanding of asynchronous request handling, partial page updates, and AJAX
- Proficient understanding of cross-browser compatibility issues and ways to work around such issues
- Familiarity with JavaScript module loaders, such as Require.js and AMD
- Familiarity with front-end build tools, such as Grunt and Gulp.js
- Proficient understanding of code versioning tools, such as {{Git / Mercurial / SVN}}
- Good understanding of browser rendering behavior and performance

JOB DESCRIPTION

9. TECHNOLOGY – QA TESTING (MANUAL)

- Responsible for create and maintain manual test suite for our websites and application in Test Repository.
- Work collaboratively and closely with developers, designers, product managers and users
- Perform quality check for our websites and applications
- Responsible for the quality of the software & develop manual test case
- In-depth knowledge of Manual Testing
- Knowledge of bug and test management tools like JIRA, Bugzilla, Quality Center
- Good analytical skills and ability to develop comprehensive test scenarios based on specifications
- Quick learner with an inquisitive mind-set looking to find out why, how, what etc.
- Ability to multi-task effectively and willingness to go the extra mile when required
- Excellent written and oral communication skills.
- Database knowledge & basic scripting knowledge.

JOB DESCRIPTION

10. TECHNOLOGY – QA TESTING (AUTOMATION)

- Meeting with the software design team to discuss verification protocols.
- Identifying software application weaknesses and target areas.
- Sketching out ideas for automated software test procedures.
- Reviewing software bug reports and highlighting problem areas.
- Writing automation scripts and implementing software applications.
- Designing and installing software databases.
- Troubleshooting automation software and finalizing system procedures.
- Identifying quality issues and creating test reports.
- Collaborating with the design team to solve application faults.
- Bachelor's degree in computer science, software engineering, or a similar field.
- Advanced programming skills including automation systems and databases
- Familiarity with programming script languages including Java and VBScript.
- Excellent analytical skills.
- Detailed knowledge of application functions, bug fixing, and testing protocols.
- Good written and verbal communication skills.
- Strong attention to detail.

JOB DESCRIPTION

11. TECHNOLOGY – QA TESTING (MOBILE)

- Potential hires should be aware of the most up-to-date testing methodologies and techniques
- Should have extensive knowledge of wireless networks and the technology that governs them, such as GSM, 3G, 4G, CDMA, and LTE
- Must understand common mobile operating systems (such as Apple iOS, Android, and Windows) and how to perform tests on them
- Attention to Detail