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| **Job description** |
| **Tite** |
| **Software Development Engineer** |
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| **Location: Shanghai** |
| **Descrption** |
| The Application Developer works in accordance with the company’s software development lifecycle to design and develop both new and enhancements to software applications that meet business specification. Primary responsibilities include requirements analysis to gain an understanding of business needs to develop level of effort estimates, software design and development, unit testing, performing design and code reviews, and development of technical documentation. Additional responsibilities include performing system analysis, code modifications, and functional testing to troubleshoot application production issues. Key attributes of the application developer include the ability to quickly master new technologies as needed, strong written and verbal communication skills, and a focus on delivering a high level of customer service.  |
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| **Responsibilities/Tasks** |
| **1** | Develop an in-depth knowledge of the company’s application portfolio, development tools, and development procedures |
| **2** | Actively participate in the development and review of business and system requirements to obtain a thorough understanding of business needs in order to deliver accurate solutions |
| **3** | Provide development activities level of effort and duration estimates for schedule planning. The developer is expected to proactively manage activities to deliver required work on time |
| **4** | Design application solutions that fully implement business requirements |
| **5** | Develop high quality software code in accordance with established company standards and development guidelines |
| **6** | Produce technical documentation that accurately and thoroughly depicts the software design and code base. The documentation needs to sufficiently assist testing and production support activities |
| **7** | Perform adequate unit testing of own and other developers’ application development work. At a minimum, unit testing should ensure all requirements have been addressed, all basic functionality works, and errors are handled properly |
| **8** | Expeditiously troubleshoot application production issues that resolve the issues without causing additional problems |
| **9** | Review and analyze the effectiveness and efficiency of existing systems and develop strategies for improving or further leveraging these systems |
| **10** | Complete project responsibilities including design, coding, unit testing, and documentation on time at required quality level. Performance will be measured by timely completion, quality, and quantity of work delivered |
| **11** | Perform code reviews and system testing as needed for other developers’ efforts |
| **12** | Support all current applications, as well as take lead in new application development initiatives to rewrite older applications in newer technologies |
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| **Requirements:** |
| **1** | Excellent communication skills, problem solving and crisis management skills, and strong analytical skills with the ability to work as an effective member of a team |
| **2** | Demonstrable programming ability in one of the programming languages such as C/C++, Python, R, Java |
| **3** | Experience developing and maintaining code libraries (APIs)  |
| **4** | Experience with database |
| **5** | Enjoy working with a team and sharing knowledge to improve processes and efficiency  |
| **6** | Demonstrate strong attention to detail and problem solving ability  |
| **7** | Be adaptable to a fast-paced, demanding, tight-deadline environment  |
| **8** | Excellent communications skills—written and verbal  |
| **9** | Great organization and time management capability for overseeing multiple tasks and prioritize as needed |
| **10** | Chinese and English language skills are essential. Fluent English in reading and writing. Presentation skills are highly desirable |
| **11** | Strong interpersonal skills to work with multi-cultural colleagues, customers, industry experts, and university associates |
| **12** | Good teamwork, ownership and results oriented |
| **13** | Master degree or above degree in computer science, electrical engineering, automation, information system, industrial engineering |