

Chapter 1 : Programmer - Wikipedia

Senior Programmer Job Description This senior programmer sample job description can assist in your creating a job application that will attract job candidates who are qualified for the job. Feel free to revise this job description to meet your specific job duties and job requirements.

Prepare a list of duties and qualifications, and then decide the most effective way to present the information. Read through the senior programmer job description sample below to learn how to create a successful pitch. A good description weeds out unqualified candidates and helps you draw in higher-skilled professionals. Want to use this job description? Use template Senior Programmer Job Summary The senior programmer provides direct programming support for our healthcare division. He or she will work closely with analysts, researchers and statisticians to develop operations solutions and program specifications. This senior-level role will oversee SAS testing and a team of five junior programmers. Mentor a team of five junior programmers. Assist project leaders with statistical testing, and suggest new methods based on output. Collaborate with researchers and analysts to identify client objectives and specifications. Comply with programming standards, company directives and legal requirements. Prepare ad hoc queries for new business. Provide technical and analytical support for internal and external stakeholders. Carry out all SAS upgrades. Train new hires on applicable technology and corporate practice. Manage team schedule and perform semi-annual performance appraisals. Minimum 5 years in SAS programming. Healthcare experience is a plus. Proven ability to mentor others. Highly analytical with excellent written and verbal communication skills. Excellent time management skills with the ability to work under pressure to meet tight deadlines. Advanced knowledge of Office Suite products. We serve dozens of domestic and international clients in a variety of industries. Our software solutions streamline business operations and improve customer service at all levels of production. Our employees enjoy a dynamic and collaborative startup culture, a casual dress code, a competitive benefits package, structured career opportunities and ongoing appreciation for the value we create. Best Practices When Writing a Job Description On average, job seekers spend less than one minute on each job page, and very few applicants actually click to the next page of results. As you draft your pitch, be sure to reference the senior programmer job description sample above. Do use industry jargon. Not only will this improve your candidate pool, but it will also make your company more credible. Candidates should understand the primary purpose of the job before they apply. What percentage of each day will be spent managing other people? What percentage of the week will be devoted to specific programming tasks? Take a minute to learn the common words that people search for. It needs to flow well without sounding forced. Do write the summary and company profile in paragraph form. Use bullets for duties and qualifications. This is a big one. Avoid being too general about your requirements. Additionally, use action-oriented language and specific software details. Job candidates appreciate transparency. Include an inviting call to action that encourages qualified candidates to learn more about your organization. View All Job Descriptions Senior Programmer Job Responsibilities A clear and accurate senior programmer job description will be invaluable to the hiring process. The following are examples of specific, well-written senior programmer job responsibilities: Monitor project progress, identify changes in scope and communicate those changes to management in a timely manner Develop software with rigorous adherence to HL7 standards Assist less-experienced team members as needed Release updates to proprietary internal programs every two weeks in response to requests for new functionality by department heads Address bugs reports promptly and effectively Senior Programmer Job Specifications A well-curated list of senior programmer job specifications is an important part of any senior programmer job description. Some senior programmer positions require the employee to write reports for management, hold conversations with customers to help identify their needs or write documentation to teach new users how to make the most of the programs under development. Mentioning these kinds of skills will help winnow the field of candidates and expedite the hiring process. Make sure you clarify which specifications in your senior programmer job description are minimum requirements and which are desired or preferred, but not necessary. You may even want to split these into two separate lists. Here are a few examples of specifications: Your bullet points should

be easy to read, and the entire description should look appealing on both large and small screens. Be clear in your qualifications section, if not in your job title. Keyword stuffing is more harmful than it is helpful. Technology is always changing, and programmers usually like to know how and where you got started. Additionally, let candidates know where you are headed. This gives them a sense of long-term career potential. Candidates want to know where they will be based. Include the city, state, type of work environment and any travel requirements. This further conveys your mission and culture and gets applicants excited to apply. Keep the description candid but welcoming. You might consider a statement about non-discriminatory hiring practices. Guide applicants to whatever platform you use for applications. Put the main job duties or most important qualifications at the top of your bullet lists.

The national average salary for a Senior Programmer is \$92, in United States. Filter by location to see Senior Programmer salaries in your area. Salary estimates are based on 7, salaries submitted anonymously to Glassdoor by Senior Programmer employees.

History[edit] Ada Lovelace is considered by many as the first computer programmer. The first person to run a program on a functioning modern electronically based computer was computer scientist Konrad Zuse , in It had also been an unofficial international holiday before that. Software[edit] The word "software" was first used as early as , but did not appear in print until the s. The first company founded to provide software products and services was Computer Usage Company in Universities, government, and business customers created a demand for software. Many of these programs were written in-house by full-time staff programmers. Some were distributed freely between users of a particular machine for no charge. Others were done on a commercial basis, and other firms such as Computer Sciences Corporation founded in started to grow. In the following years, it also created a growing market for games, applications, and utilities. Computer programmers write, test, debug , and maintain the detailed instructions, called computer programs , that computers must follow to perform their functions. Programmers also conceive, design, and test logical structures for solving problems by computer. Job titles and descriptions may vary, depending on the organization. Programmers work in many settings, including corporate information technology "IT" departments, big software companies , small service firms and government entities of all sizes. Many professional programmers also work for consulting companies at client sites as contractors. Licensing is not typically required to work as a programmer, although professional certifications are commonly held by programmers. Programming is widely considered a profession although some[who? For example, the instructions involved in updating financial records are very different from those required to duplicate conditions on an aircraft for pilots training in a flight simulator. A software engineer writing JavaScript. Programmers write programs according to the specifications determined primarily by more senior programmers and by systems analysts. After the design process is complete, it is the job of the programmer to convert that design into a logical series of instructions that the computer can follow. The programmer codes these instructions in one of many programming languages. Different programming languages are used depending on the purpose of the program. COBOL , for example, is commonly used for business applications that typically run on mainframe and midrange computers, whereas Fortran is used in science and engineering. Programmers generally know more than one programming language and, because many languages are similar, they often can learn new languages relatively easily. In practice, programmers often are referred to by the language they know, e. When making changes to the source code that programs are made up of, programmers need to make other programmers aware of the task that the routine is to perform. They do this by inserting comments in the source code so that others can understand the program more easily and by documenting their code. To save work, programmers often use libraries of basic code that can be modified or customized for a specific application. Testing and debugging[edit] Programmers test a program by running it and looking for bugs errors. As they are identified, the programmer usually makes the appropriate corrections, then rechecks the program until an acceptably low level and severity of bugs remain. This process is called testing and debugging. Programmers may continue to fix these problems throughout the life of a program. Updating, repairing, modifying, and expanding existing programs is sometimes called maintenance programming. Programmers may contribute to user guides and online help , or they may work with technical writers to do such work. Application versus system programming[edit] Computer programmers often are grouped into two broad types: Application programmers write programs to handle a specific job, such as a program to track inventory within an organization. They also may revise existing packaged software or customize generic applications which are frequently purchased from independent software vendors. Systems programmers, in contrast, write programs to maintain and control computer systems software, such as operating systems and database management systems. These workers make changes in the instructions that determine how the

network, workstations, and CPU of the system handle the various jobs they have been given and how they communicate with peripheral equipment such as printers and disk drives. Qualifications and skills[edit] A software developer needs to have deep technical expertise with certain aspects of computing. Some positions will require a degree in a relevant field such as computer science, information technology, engineering, programming, or any other IT related post graduate studies. According to developer Eric Sink, the differences between system design, software development , and programming are more apparent. Already in the current market place there can be found a segregation between programmers and developers, in that one who implements is not the same as the one who designs the class structure or hierarchy. Even more so that developers become software architects or systems architects , those who design the multi-leveled architecture or component interactions of a large software system. Programming of packaged software constitutes one of the most rapidly growing segments of the computer services industry. Some companies or organizations “ even small ones ” have set up their own IT team to ensure the design and development of in-house software to answer to very specific needs from their internal end-users, especially when existing software are not suitable or too expensive. This is for example the case in research laboratories. The transition from a mainframe environment to one that is based primarily on personal computers PCs has blurred the once rigid distinction between the programmer and the user. Increasingly, adept end users are taking over many of the tasks previously performed by programmers. For example, the growing use of packaged software, such as spreadsheet and database management software packages, allows users to write simple programs to access data and perform calculations. Currently more software applications are web applications that can be used by anyone with a web browser. Programming editors, also known as source code editors , are text editors that are specifically designed for programmers or developers for writing the source code of an application or a program. Most of these editors include features useful for programmers, which may include color syntax highlighting , auto indentation, auto-complete , bracket matching, syntax check , and allows plug-ins. These features aid the users during coding, debugging and testing. You may improve this article , discuss the issue on the talk page , or create a new article , as appropriate. Programming was even mentioned in the US Presidential debate on the topic of offshore outsourcing. However, US programmers and unions counter that large companies are exaggerating their case in order to obtain cheaper programmers from developing countries and avoid previously employer paid training using industry specific technologies not covered in most accredited degree programs. Most academic institutions have an Institutional research office that keep past statistics of degrees conferred which show several dips and rises in Computer Science degrees over the past 30 years. The overall trend shows a slightly overall decline in growth especially when compared to other STEM degree growth since certain peaks of , , , and showing periods of flat growth or even declines.

Chapter 3 : Senior Programmer Resume Samples | JobHero

A Senior Programmer Analyst with mid-career experience which includes employees with 5 to 10 years of experience can expect to earn an average total compensation of \$86, based on salaries.

There are many more IT job titles than what you see below; we have only listed a few of the most popular in each sector. You may be managing a team of programmers. Programmers write, test, and maintain the detailed instructions - called programs - that computers follow to perform their functions. Programmers also conceive, design, and test logical structures for solving problems by computer. With the help of other computer specialists, they figure out which instructions to use to make computers do specific tasks. Many technical innovations in programming - advanced computing technologies and sophisticated new languages and programming tools, for example - have redefined the role of a programmer and elevated much of the programming work done today. Different programming languages are used depending on the purpose of the program. Programmers generally know more than one programming language, and because many languages are similar, they often can learn new languages relatively easily. In practice, programmers often are referred to by the language they know, such as Java Programmers, or by the type of function they perform or environment in which they work - for example; Database Programmers, Mainframe Programmers, or Web Programmers. Programmers also update, repair, modify, and expand existing programs. Some, especially those working on large projects that involve many programmers use computer-assisted software engineering CASE tools to automate much of the coding process. These tools enable a programmer to concentrate on writing the unique parts of a program. Programmers also use libraries of basic code that can be modified or customized for a specific application. Programs vary widely depending on the type of information they will access or generate. For example, the instructions involved in updating financial records are very different from those required to simulate flight for pilot training. Simple programs can be written in a few hours, but some programs draw data from many existing systems or use complex mathematical formulas. These programs may take more than a year to create. The requirements listed below were assembled based on the most popular IT job titles and company expectations. We have listed the most likely requirements. You may not need them all, but you will certainly be required to have some of them. If you need help with this, please speak to one of our Training Advisors at and they can guide you to the correct path. Working towards [multiple programming languages] Go to next section below for Language Specific Programmers. Also review the following page on Understanding Certifications Also review the following page on Understanding Soft Skills Salary information: For more detailed Salary information see our Salary Statistics page. Microsoft Visual Basic Programmer: Most programmers learn multiple languages to help implement full working programs and would not be limited by knowing only one language. NET as the primary programming language. Microsoft Web-based Visual Basic Programmer: Microsoft Web-based C Programmer: Your IT job description is the same as the Senior Programmer above, with Microsoft C as the primary programming language. Your IT job description is the same as the Senior Programmer above, with Java as the primary programming language.

3, Senior Programmer jobs available on calendrierdelascience.com Apply to Senior Programmer, Programmer Analyst, Senior Programmer Analyst and more!

Programming experience must include fluency in procedural, object-oriented, and functional programming concepts and experience in at least two of the following: Experience in the design and programming of computer applications in a team-oriented environment is required. One year of experience in leadership of programming staff is required. Experience with web development is preferred. Work experience in higher education is preferred. Proficiency in creating and maintaining database tables, queries, and procedures is required. Proficiency in logical analysis and thinking creatively is required. The ability to maintain confidentiality in regard to information processed, stored, or accessed by the systems is required. Proficiency in understanding coding techniques, testing strategies, and application implementation is required. Effective verbal and written communication skills are required. The ability to develop knowledge of, respect for, and skills to engage with those of other cultures or backgrounds is required. Extended periods of time at a work station is required. Complies with requests for programming services by formulating, in conjunction with the requesting user and a systems analyst, a general plan for the request. Assumes responsibility for difficult programming tasks by assuming a leadership role. Provides for the maintainability of computer programs by creating program documentation and operating instructions. Consults on the best method for implementing requested changes to existing computing systems by analyzing the requested alterations in terms of their effects on current programs. Effectively resolves programming problems by conducting a thorough analysis of the system and employing appropriate debugging techniques. Ensures the availability of computer resources by contributing to disaster prevention and recovery efforts caused by events like power outages, hardware failures, etc. Contributes to the overall success of the database management system by participating in the development of SQL queries, tables, functions, procedures, packages, and triggers. Contributes to a work environment that encourages knowledge of, respect for, and development of skills to engage with those of other cultures or backgrounds. Contributes to the overall success of Computer Services by performing all other duties as assigned by a Senior Systems Analyst. A combination of education and experience equivalent to a Level 8 as indicated by the Equivalencies Chart, when permitted by the Minimum Acceptable Qualifications. Supervisory Responsibility Level 1 - Points: Little or no supervisory responsibility for the work of others. Skill, Complexity, and Technical Mastery Level 6. Skill, complexity, and technical mastery is somewhat above requirements for a level at , but somewhat below the skill, complexity, and technical mastery requirements at level Budgetary Control Level 1 - Points: Jobs at this level involve no budgetary control except for the normal responsibilities associated with monitoring and reporting everyday expenses. The work environment has only everyday discomforts associated with an office or commercial vehicle. The work area is adequately lighted, heated or cooled, and ventilated. Work is largely sedentary involving mostly sitting with occasional walking, standing, bending, or carrying of small items. No special physical demands are required of the work. Work Impact and Effect Level 4 - Points: Typically the work is complex and may involve addressing conventional problems or situations with established methods or resolving critical problems or developing new processes or models to address specific problems. Connect with office of human resources
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Chapter 5 : Senior Programmer Analyst Resume Samples | JobHero

Senior Programmer in Austin, Texas | Gamasutra Jobs Airship Syndicate is looking for an experienced gameplay programmer to help build a cool new action game for PC and consoles!

Like systems analysts, programmer analysts create software programs and computer systems, and like computer programmers, they write computer programs and perform maintenance on the programs. These programmer analysts work in a wide range of industries such as academia, health care and software. Regardless of industry type, one thing always remains true; you must have a compelling job description to recruit qualified candidates. A compelling description is one that is accurate, engaging and insightful. It discusses job responsibilities in a concise manner and explains what is unique about the company and why someone would want to work there. To help you get an idea of what you could write, we have provided a senior programmer analyst job description sample below. Want to use this job description? Use template Senior Programmer Analyst Job Summary You will work full time for a top university with minimal supervision to carry out responsibilities related to the analyses, programming and support of packaged applications software. You work with system users to pinpoint and develop systems or software features that improve the user experience. Doe University was founded in and calls beautiful Ellensburg, Washington, home. The university often lands in lists for top research universities, thanks to a commitment to excellent and diverse faculty and staff. We are always looking for folks who are dedicated to quality teaching and research, with large doses of creativity and a whole-body focus on well-being. Could you be John F. Click on this link today to start applying. Writing a Job Description Best Practices The senior programmer analyst job description sample above is a great starting point as you begin to gather ideas and tools for your job description. Of course, you must tailor your description to the unique needs of your company or organization. Do polish the job description title so it is as engaging as possible. Tell folks how they can apply, and include any deadlines. Do hook qualified applicants with information on what makes your company stand out. Include any perks of the job, and remember that the description should convey why someone would want to work for your organization. Do differentiate between required skills and those that are preferred. For a senior programmer analyst, preferred skills but not required often include breadth and depth of experience as well as degree type and degree level a BS or a MIS, for example. View All Job Descriptions Senior Programmer Analyst Job Responsibilities When written well, the job responsibilities section of a senior programmer analyst job description can help the hiring process by discouraging unqualified jobseekers and encouraging candidates who will do well in the position. Your ideal candidate will have the necessary skills and also be happy in his or her new job; this means you want to give potential new hires a clear and concise picture of what the senior programmer analyst job responsibilities will be. If it includes supervision of junior programmer analysts or team lead responsibilities, be sure to specify that. You may want to use the following examples to help write your own senior programmer analyst job description. Develop and implement data collection and analysis protocols that will help identify bugs, difficult-to-use aspects in the user interface and future needs for new applications or functions Help train entry-level members of the team, including writing training materials and SOPs as needed Collaborate with other team members, discuss software needs with various department heads and keep upper management informed of current projects Debug current programs when problems are found Monitor system usage and suggest improvements or upgrades as needed Write regular reports documenting current department activities and measurable results of department-implemented updates and programs Senior Programmer Analyst Job Specifications A senior programmer analyst job description will typically include lists of required and preferred skills and experience. This is a great opportunity to narrow the field of candidates. For example, would you prefer to attract candidates familiar with a variety of coding languages, or ones with deep knowledge of the specific languages used within your company? Do you need someone with customer service skills, or will sales representatives be relaying customer needs to the development team? Will the position involve developing and testing new software, or will it consist mostly of maintaining current programs and developing new functionality within those

programs? Make sure you have a clear understanding of departmental needs before writing your senior programmer analyst job specifications. Here are some examples to help you get started composing your own senior programmer analyst job description: First impressions count, and typos and misspellings make your company come across as less than stellar. This information is a viable way to attract the candidates who want to work for you, and there are no bad surprises later if a salary seems too low for a candidate or if a candidate proposes a too-high salary for the business. Talk about the city and even the neighborhood. Discuss the industry the company is in, any travel requirements and any unusual aspects of the position. Outline which application materials are required, how interested folks should apply and by when. It may be useful for you to add a contact name and email address for people who have questions.

Chapter 6 : skills - When should you call yourself a senior developer? - Software Engineering Stack Exchange

Senior Programmer Gameplay Programmer Volition is seeking an energetic, driven, and skilled gameplay programmer to participate in the development of technology for our next generation of titles.

Chapter 7 : Senior Programmer Analyst Salary | PayScale

Senior Programmer Analyst [company name] is a global provider dedicated to banking and payment solutions. Technical Lead on a yearlong project to develop Foreign Currency processing for our application.

Chapter 8 : Senior Programmer in Austin, Texas | Gamasutra Jobs

The national average salary for a Senior Programmer Analyst is \$, in United States. Filter by location to see Senior Programmer Analyst salaries in your area. Salary estimates are based on , salaries submitted anonymously to Glassdoor by Senior Programmer Analyst employees.

Chapter 9 : Senior Programmer Analyst Salary (India) | PayScale

As senior programmer is someone who is experienced enough to have solved many programming challenges. When a problem shows up, a senior programmer will likely have a history of solving that problem vs. a regular or junior programmer who may get worried or afraid about this new problem.