Developer team job descriptions

Web Developer

A Web Developer is responsible for the coding, design and layout of a website according to a company's specifications. As the role takes into consideration user experience and function, a certain level of both graphic design and computer programming is necessary. Once a website has been created, a Web Developer will generally assist with the maintenance and upkeep of the website.

Duties and responsibilities

A Web Developer must have experience in the planning and the delivery of web applications across multiple platforms. A typical Web Developer should cover the following:

- Writing efficient code.

- Creating websites using standard HTML/CSS practices.

- Working closely with web designers and programmers to produce the website.

- Constant communication with other colleagues in the business to develop and deploy their content and ensuring there is a clear establishment of what can be created within what timeframe.

- Researching different software programs, maintaining software documentation.

- Implementing contingency plans in case the website goes down.

- Maintaining and expanding/enhancing the website once built.

- Managing a team might also be part of the job role.

- Thorough functional knowledge and coding experience.

- Basic knowledge of Search Engine Optimisation.

- Ability to multitask with strict time constraints, budgets and business goals.

- Strong communication skills.

- Management experience or examples that show ability to manage a team, should this role involve team management.

Qualifications and requirements

Although there are no formal educational requirements to become a Web Developer, experience in the field will be expected. Knowledge in the following is a requirement:

- HTML/XHTML, CSS, JavaScript.

- Server architecture.

- Experience with server-side frameworks such as Python, Ruby, php, Java, ASP, ASP.NET.

- Experience with database systems such as SQL and Oracle.

A Bachelor's degree in the following subjects may be required:

- Computer Science.

- Computing.

Systems Analyst

A systems analyst is a person who uses analysis and design techniques to solve business problems using information technology. Systems analysts may serve as change agents who identify the organisational improvements needed, design systems to implement those changes and train and motivate others to use the systems.

Duties and responsibilities

- Deploy, maintain and troubleshoot core business applications, including application servers, associated hardware, endpoints, and databases.

- Meet and coordinate with internal and external stakeholders to establish project scope, system goals and requirements.

- Develop, analyse, prioritise and organise requirement specifications, data mapping, diagrams and flowcharts for developers and testers to follow.

- Translate highly technical specifications into clear non-technical requirements.

- Manage the set-up and configuration of systems.

- Define and coordinate the execution of testing procedures and develop test cases to serve the overall quality assurance process.

- Provide documentation of all processes and training as needed.

- Develop and implement maintenance procedures, monitor system health, gather system statistics and troubleshoot reported errors and alarms.

- Perform design, implementation and upgrades of information systems to meet the business and user needs.

- Implement best practices for scalability, supportability, ease of maintenance and system performance.

Qualifications and requirements

- Bachelor's degree in Computer Science or Information Technology, or equivalent experience.

- 4-6 years' experience working with information technologies and systems analysis.

- Strong computer hardware, software and analytical skills.

- Proven ability to assess business needs and translate them into relevant solutions.

- Strong understanding and knowledge of the principles and practices associated with database maintenance and administration.

- Experience installing, configuring, documenting, testing, training and implementing new applications and systems.

- Working knowledge of a wide variety of programming languages.

- Excellent analytical skills.

Software Tester

Testers meet with product managers and developers to understand the systems they test and to create testing plans for each system. They identify what portions of a system can be tested using automated tools and the areas that require manual testing, such as installation and user interfaces.

Software Testers are responsible for the quality of software development and deployment. They are involved in performing automated and manual tests to ensure the software created by developers is fit for purpose. Some of the duties include analysis of software and systems, mitigating risk and preventing software issues.

Duties and responsibilities
- Analysing users' stories and use cases/requirements for validity and feasibility.

- Collaborate closely with other team members and departments.

- Execute all levels of testing (system, integration, and regression).

- Design and develop automation scripts when needed.

- Detect and track software defects and inconsistencies.

- Provide timely solutions.

- Apply quality engineering principles throughout the agile product lifecycle.

- Provide support and documentation.

Qualifications and requirements
- Two years of experience as a Software Tester or similar role.

- Ability to handle multiple tasks simultaneously.

- Two years of experience in data analysis.

- Ability to work in a fast-paced environment with minimal supervision.

- Sense of ownership and pride in your performance and its impact on the company's success.

- Critical thinking and problem-solving skills

- Team player.

- Good time-management skills.

- Great interpersonal and communication skills.

Technical Writer

Technical Writers are generally responsible for producing high-quality and understandable documentation with the goal to improve the success of products.

Duties and responsibilities

- Study product samples.

- Communicate with product designers and developers to understand product details.

- Collaborate with technical staff.

- Analyse and manage existing and potential content.

- Create and maintain the information architecture.

- Make high-quality documentation that meets standards, is appropriate and easy to use.

- Produce and distribute tutorials to help end users use a variety of applications.

- Research and collect usability feedback from customers, designers and manufacturers.

Qualifications and requirements

- Two years of experience as a Technical Writer or similar role.

- Two years of experience in technical writing of software documentation.

- Ability to translate highly technical information into easily understandable information for customers.

- Creative skills and usage of photographs, drawings, diagrams, animation and charts that increase users' understanding.

- Excellent written skills in English.

- Knowledge of Microsoft Office.

- A Bachelor's degree in Journalism or similar.

- Professional writing or creative writing experience is a big plus.

- Background in engineering or computer science is a big plus.

- Critical thinking and problem-solving skills.

- Team player.

- Good time-management skills.

- Great interpersonal and communication skills.

Content developers

Content developers are essentially involved in the creation, development and editing of content for various activities related to online marketing as well as front-end web development.

A web content writer is responsible for creating original content for websites, newsletters, press releases, blogs, articles and advertising and marketing materials, based on the requirements of a client/organisation. Content developers often use their skills, knowledge and experience in software and programming as well as web-based technology to create and update content for websites.

Content development could involve creative work, such as copy writing or graphics, or technical work. Quite often, qualifications required for a career as a content writer may vary. Content development is basically about developing good content in a clear and presentable form. So a content developer needs to have excellent command over written English. They should create web content based on analytical reports, press releases or survey reports and present them in an articulate, simple, easy to understand language.

Duties and responsibilities

Based on the requirements of the organisation, a content writer needs to create new content, rewrite the existing content or edit and proofread content. They would also be responsible for managing content on social media and developing unique ideas for web content. A content writer should clearly understand the objectives of the organisation and their target audience, and must develop simple, easy-to-understand, user friendly content while employing good search engine optimization (SEO) techniques. Before publishing the articles on the web, they should edit/proof read it. The content should be informative and engaging and should enable the visitors to get their information promptly and efficiently.

Qualifications and requirements

- Bachelor's degree in journalism or communication and a minimum of 2-3 years' experience in web related marketing and development.

- Excellent communications and writing skills

- Good listening skills

- Multitasking abilities

- Ability to work independently

- Fairly good knowledge of HTML, and graphics and web development software would be of benefit in this profession.

IT Trainer

The IT Trainer will ensure employees develop their IT skills to perform any IT-related tasks in their job, including keeping the computer workstations secure.

Duties and responsibilities

- Conduct IT skills gap analyses.

- Design technical manuals using simple language.

- Conduct role-specific training on tools and programs each team uses daily.

- Research and recommend learning systems (like TalentLMS and WiZDOM Enterprise).

- Apply educational methods to engage trainees (e.g. gamification-based platforms).

- Train new employees on proper use of hardware and software.

- Perform regular organisation-wide trainings on system security.

- Evaluate the effectiveness of each educational session.

- Maintain updated records of training curriculum and materials.

- Review company policies on computer use and cyber security

Qualifications and requirements

- Proven work experience as an IT Trainer, Technical Trainer or similar role.

- Experience designing technical course material.

- Familiarity with web-based learning platforms and modern educational techniques.

- Good understanding of corporate computer security principles.

- Excellent communication skills with the ability to explain technical terms plainly.

- BSc in Information Technology, Computer Science or relevant field.

- Additional certification in training (e.g. Certified Technical Trainer) is a plus.