Technology Jobs in K-12, Corporate, and Higher Education

9172 EDTC 808 Summer Institute in ETL II

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K-12 Education Sector Technology Jobs

Director of Technology: The Director of Technology position is very common in the K-12 Education sector. A person that assumes the role of Director of Technology in K-12 education is required to meet various criteria that are common across many schools and states. General requirements for this position include, a bachelor's degree and master's degree, experience in K-12 education, administrator certification, at least four years of administrative experience, management skills, budgeting and financial experience, project management skills, ability to collaborate with other, grant management experience, and supervisory experience. Link: Job posting | Job Description

Technology Coordinator: The Technology Coordinator position is another common position in the K-12 sector. Typical the Technology coordinator reports to the Director of Technology. Technology Coordinator tends to require an associate's or bachelor's degree in the field of technology or related field. Other requirements include certifications in various technologies, program language, and/or computer systems. Technology Coordinators are required to have the skills to carry out lower level, mid level, and at times, high level technical troubleshooting. This includes, email, end-users device, and networking troubleshooting. Link: Job posting

Chief Technology Officer: The Chief Technology Officer (CTO) position is not as common in the K-12 Sector as the Director of Technology and Technology Coordinator position. The requirements of the CTO position include a master's degree in related technology fields, experience in K-12 education, at least five years in technology management, project management, supervision, and budgeting. The person in this position is required to provide leadership, vision, and managerial support for the technology department and support collaboration among other departments within the school or district. Link: Job description

Corporate Sector Technology Jobs

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Director of IT Operations: The Director of Information Technology (IT) Operations primary role is to lead and support the overall operations of IT in the corporation. The requirements for this role include, a bachelor's degree in a field related to technology, at least ten years of experience working with technology, at least 5 years of IT supervision, project management skills, technical analysis experience, budgeting, and demonstrated leadership skills. Link: Job posting

Chief Information Officer: The Chief Information Officer (CIO) in the corporate setting is required to possess at least five years of work experience in a technical field, experience and knowledge of security tools, demonstration of strategic vision and planning, and understanding of cloud technologies. A CIO in the corporate setting is also required to have sound business, financial and project management skills. Link: Job posting | Link: Job posting

Information Technology (IT) Coordinator: The IT Coordinator in the a corporate setting is required to possess experience in managing teams, project management experience, strong verbal and written communication skills, and abilities to work in teams. An IT coordinator is also required to carry out technical troubleshooting of end-users devices, organizing technical devices, monitoring security services, and configuring various information and technology systems. Link: Job posting | Link: Job posting

Higher Education Technology Jobs

Chief Information Office: The Chief Information Officer (CIO) position in a Higher-Ed institution requires an applicant to possess 7-10 years of technology leadership experience. Additionally, an applicant for the CIO role must show experience working in a Higher-Ed institution, successful implementation and management of technology, managing projects, creating and shaping technology vision, contract management and procurement, support and supervising staff, collaborating with multi departments, and implement change management practices. This position requires someone with an advance degree, such as a master's or doctoral degree, in a field related to information technology. Link: Job posting | Link: Job posting

Director of Information Technology: The Director of Information Technology (IT) is require to have a bachelors degree in a field related to technology or information management, at least five to eight years of IT experience, possess long term planning and vision of technology, experience in IT management, budgeting, and supervision. Generally, the position of Director of IT performs management related duties that require a high level of managerial business acumen. Link: [Job posting](#) | Link: [Job posting](#)

Assistant Professor of Information Technology: The Assistant Professor of Information Technology position is a tenure track position that focus on information technology. An applicant for this higher education position is required to have a Ph.D or equivalent in a field related to information technology. Additionally, all candidates must show evidence of teaching effectiveness, research productivity, experience teaching online course, and the ability to work in diverse community. A person in this position must also show the ability to develop curriculum and programs, advise students and support research projects. Link: [Job posting](#)

Analyzing Common Technology Jobs

Overview

In an article released by Computing Technology Industry Association, it is reported that nearly 200,000 technology jobs were created in 2015 and over 6.7 million people currently hold a technology position in the United States (U.S.). The article also reported that the technology industry continues to see large increases in jobs with average wages that double other private sector wages. Consequently, with job growth and higher wages, the U.S. technology industry is a key driver of Gross Domestic Production in the U.S. (Grisham, 2016) As the technology industry grows exponentially, more jobs are being created that require skilled workers to assume higher paying positions. (Hiltzik, 2015)

When analyzing the technology jobs in the K-12 education, Higher Education, and Corporate Sector, three common jobs appeared across all three sectors. Although the title may vary

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to a degree, three common jobs that appear are Director of Technology or IT (DIT), Chief Information Officer (CIO), and Technology Coordinator (TC). There are many similarities and difference between these roles as we analyze each position within the K-12 education, Higher Education, and Corporate Sector.

Similarities

There are a number of similarities between the DIT, CIO, and TC jobs found in K-12, Higher Ed, and the corporate sector. Similarities between these roles are found in the job's function, skills requirement, degree requirement, and reporting. All three roles function to ensure that technology is operable, efficient, and managed. CIO and DIT roles perform functions that are higher-level management roles, while TCs perform functions that a lower to mid-level. The skill sets required for the CIO and DIT roles commonly centered on supervision, management, vision and budgeting. Conversely, TC roles require skill sets that allow an individual to carry our technical, troubleshooting, coordination, and physical technology functions. Additionally, CIO and DIT tends to require graduate and post-graduate degrees, while TC roles require bachelor's degree. All roles are in similar in that they all require a degree in a field related to technology. Lastly, CIO and DIT roles tend to be higher in the organizational structure and report leaders of the organization. The TC role tends to be lower on the organizational structure and report to mid-level managers or directors.

Differences

With many similarities, the DIT, CIO and TC distinctly differs in terms of required experience, business related requirements, security experience, and average wages. Corporate roles tend to require more business related experience such as project management and change management, while K-12 and Higher Ed jobs do not. Additional corporate IT jobs highlight the importance of experience in IT security, while K-12 and Higher Ed jobs do not. Lastly, the salaries

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for IT jobs tend to be higher for corporate job versus those salaries found in K-12 and Higher

Education jobs.

My Ideal Job

CIO Overview and Requirements

After assuming the role of Technology Coordinator, Technology Teacher, Director of

Technology, and Director of Finance, my ideal jobs in the field of technology is Chief Information

Officer for a K-12 public or private school. This role requires skill set and experience in high-level

IT management, budget and financial management, change management, technology vision and

planning, and supervision. Additionally the CIO role tends to require 10+ years of experience in IT

and 5+ years of experience IT supervision and advance degrees in a field related to technology.

Current Qualifications

In terms of preparedness, the roles that I have assumed have allowed me to develop the tools

and acumen necessary to be successful as a CIO for a K-12 school. I have designed, developed and

implement multi-site networks, cloud technologies, and security systems. As a Director of Finance,

I have used my business background to develop multi-million dollar budgets. I have rebuilt

departments using organization-aligned strategies and change management practices.

Plan For Preparedness

The role of a CIO is to work with a team of IT professionals and engineers to create optimal

systems. (Mikoluk, 2014) To further prepare and qualify for a CIO role, I plan to gain 1-2 more

years of financial and budgeting experience and complete a doctorate degree in a field related to

technology to combine with my MBA. These two areas are critical to assuming the role of a CIO, as

it is common for a CIO to possess a doctoral degree. Achieving these goals will better position and

market me for the CIO role in a K-12 school district or private school.

References

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