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Systems Architect

Software Architect



Computer Forensic Analyst

Computer Network Engineer

Systems Architect

Systems architects are information technology (IT) professionals who develop and implement computer systems and networks. Systems architects devise, build, and maintain networking and computer systems. They will possibly install both hardware and software during the setup and maintenance of these systems. The majority of entry-level positions in IT, aspiring systems architects may be responsible for basic tasks such as monitoring computer systems and providing maintenance.

A recommended school subject would be computer science. The required education is an Associate's Degree, however, employers prefer applicants with a Bachelor's Degree in computer science or other IT-related fields. Employers prefer anywhere between 2-7 years of experience in IT administration. From 2013, New Zealand salaries can go up \$211,000 per year.

Computer Forensic Analyst

Computer forensic analysts combine their computer science background with their forensic skills to recover information from computers and storage devices. Analysts are responsible for assisting law enforcement officers with cyber crimes to retrieve evidence. The field of computer forensics is the information security branch of law enforcement and is closely related to forensic science and criminal justice work. The role of the analyst is to recover data like documents, photos and emails from computer hard drives and other data storage devices, such as zip and flash drives, that may have been deleted, damaged or otherwise manipulated.

A recommended school subject would be computer science. The required education is a Bachelor's Degree in computer science or information technology. The average salary ranges from \$80,000 - 150,000.



Software Architect

Software architects or software engineers, develop a wide variety of programmes. They may create applications and network systems for businesses, computer games, mobile networks, and/or operating systems. Software architects combine their knowledge of computer science, engineering, and mathematics to design and develop computer programmes and applications. They may create new software or modify existing software to make it more efficient, easy, and reliable to maintain.

The recommended experience in IT is 1-2 years. A recommended school subjects are maths and computer science. The required education is a Bachelor's Degree in usually in software engineering, computer science, math or information systems. The average salary ranges from \$75,000 - \$100,000. The chances of becoming a software architect are good as highly experienced IT professionals are very limited.

Computer Network Engineer

Network engineers also known as network architects, plan and construct data communication networks, such as Local Area Network (LAN) and Wide Area Network (WAN) systems. This can involve selecting software, determining the layout of cables, and overseeing other IT professionals to create networks. Most computer network engineers work full-time, although overtime is common. Few risks and demands are associated with this career.

A recommended school subject would be computer science. The required education is a Bachelor's Degree, though some employers prefer a Master of Business Administrations (MBA) degrees. Employers prefer applicants with 5-10 years of experience in the IT administration. The average salary ranges from \$75,000 - \$ 100,000.