

Start your digital career

– the time is now



Queensland
Government



Cloud Services

Cloud computing is an advancement in technology that allows users to store and access data and programs over the internet instead of on a hard drive. It is more accessible and easier to use than traditional hardware, and it helps companies stay at the forefront of technology.

Cloud computing is one of the hottest technologies with a high demand for qualified professionals in a variety of exciting fields.

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Discover Jobs In Cloud Services



Cloud Architect

Is an IT professional who is responsible for overseeing a company's cloud computing strategy. This includes cloud adoption plans, cloud application design, and cloud management and monitoring.



Cloud Engineer

Is responsible for any technological duties associated with cloud computing, including design, planning, management, maintenance and support. Each position focuses on a specific type of cloud computing, rather than the technology as a whole.



Full Stack Developer

Is a Web Developer or Engineer who works with both the front and back ends of a website or application - meaning they can tackle projects that involve databases, building user-facing websites, or even work with clients during the planning phase.



DevOps Engineer

Work with Developers and IT staff to oversee code releases. They are either developers who get interested in deployment and network operations or sysadmins who have a passion for scripting and coding and move into the development side.



Cloud Software Engineer

Is a Software Developer that specializes in working on cloud computing systems. They oversee the development of these systems, maintaining them and ensuring that they work properly.



Data Engineer

Are the data professionals who prepare the "big data" infrastructure to be analysed by Data Scientists. They are software engineers who design, build, integrate data from various resources, and manage big data.



Software Engineer

Apply mathematical analysis and the principles of computer science in order to design and develop computer software. There are many types of software that a software engineer can develop, such as operating systems to computer games.



System Administrator

Are usually charged with installing, supporting, and maintaining servers or other computer systems, and planning for and responding to service outages and other problems.



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Computer Coding

While software developers design applications, it's programmers who write the code needed for programs to function. Programmers also test software and update existing software.

Coding is the process of using a programming language to get a computer to behave how you want it to. Every line of code tells the computer to do something, and a document full of lines of code is called a script. Each script is designed to carry out a job.

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Discover Jobs In Computer Coding

JS JavaScript

An object-oriented computer programming language commonly used to create interactive effects within web browsers.

SQL SQL

Structured Query Language (SQL) is a standard computer language for relational database management and data manipulation. SQL is used to query, insert, update and modify data.

C++ C/CPP

C++ pronounced "C plus plus," is a programming language that was built off the C language. The syntax of C++ is nearly identical to C, but it has object-oriented features, which allow the programmer to create objects within the code. This makes programming easier, more efficient, and some would even say, more fun.

C# C# (C- Sharp)

C# is an object-oriented programming language from Microsoft that aims to combine the computing power of C++ with the programming ease of Visual Basic. C# is based on C++ and contains features similar to those of Java. C# is designed to work with Microsoft's Net platform.

R Ruby

People often say that social media is "pay to play", meaning a brand Ruby is a dynamic, reflective, object-oriented, general-purpose programming language. Ruby is a pure Object-Oriented language developed by Yukihiro Matsumoto. Everything in Ruby is an object except the blocks.

J Java

A general-purpose computer programming language designed to produce programs that will run on any computer system.

0-C Objective-C

Objective-C is an object-oriented programming language that is used to derive OS X and iOS and their APIs. Objective-C programming is a programming language that is used for general-purpose activities.

S Swift

Is a fantastic way to write software, whether it's for phones, desktops, servers, or anything else that runs code. It's a safe, fast, and interactive programming language that combines the best in modern language thinking with wisdom from the wider Apple engineering culture and the diverse contributions from its open-source community.

PHP PHP

PHP functions are similar to other programming languages. A function is a piece of code which takes one more input in the form of parameter and does some processing and returns a value. They are built-in functions but PHP gives you option to create your own functions as well.

P Python

Python is an interpreted, object-oriented, high-level programming language with dynamic semantics. Python's simple, easy to learn syntax emphasizes readability and therefore reduces the cost of program maintenance.



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Data Analyst

These professionals develop insight and gain information through the collection, analysis and interpretation of data. They work for businesses and other types of organizations, identifying and helping to solve problems. As a data analyst, you'll use programming and computer software skills to complete statistical analysis of data.

If you want to start a career as a data analyst, learn some programming languages and get a bachelor's degree in Information Technology and Data Analysis.

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Discover Jobs In Data Analyst

Business Intelligence Analyst

Business Intelligence Analysts gather this data through a number of ways, from mining a company's computer data through software, looking at competitor data and industry trends to help develop a picture of where the company stands in the industry, where they can improve and where they can reduce costs.

Business Intelligence Architect

A Business Intelligence Architect (BI architect) is a top-level sort of business intelligence analyst who deals with specific aspects of business intelligence, a discipline that uses data in certain ways and builds specific architectures to benefit a business or organization.

Big Data Programmer

Big Data is a phrase used to mean a massive volume of both structured and unstructured data that is so large it is difficult to process using traditional database and software techniques. In most enterprise scenarios the volume of data is too big or it moves too fast or it exceeds current processing capacity.

Data Analyst

A Data Analyst is someone who scrutinises information using data analysis tools. The meaningful results they pull from the raw data help their employers or clients make important decisions by identifying various facts and trends. Typical duties include: using advanced computerised models to extract the data needed.

Data Engineer

Data Engineers are typically software engineers by trade. Instead of data analysis, data engineers are responsible for compiling and installing database systems, writing complex queries, scaling to multiple machines, and putting disaster recovery systems into place.

Data Scientist

A Data Scientist is someone who knows how to extract meaning from and interpret data, which requires both tools and methods from statistics and machine learning, as well as being human. They spend a lot of time in the process of collecting, cleaning, and munging data, because data is never clean.

Tableau Analyst

Tableau is a powerful and fastest growing data visualization tool used in the Business Intelligence Industry. It helps in simplifying raw data into the very easily understandable format. Data analysis is very fast with Tableau and the visualizations created are in the form of dashboards and worksheets.

Behaviour Prediction Analyst

Behavioural Analysis focuses on understanding how consumers act and why, enabling accurate predictions about how they are likely to act in the future. Behavioural analysis allows future actions and trends to be predicted based on the collection of such data.



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Drone Technology

A drone (UAV) in technological terms, is an unmanned aircraft. Essentially, a drone is a flying robot that can be remotely controlled or fly autonomously through software-controlled flight plans in their embedded systems, working in conjunction with onboard sensors and GPS.

Unmanned aerial vehicle technology covers everything from the aerodynamics of the drone, materials in the manufacture of the physical UAV, to the circuit boards, chipset and software, which are the brains of the drone.

Drones are equipped with different state of the art technology such as infrared cameras, GPS and laser (consumer, commercial and military UAV). Drones are controlled by remote ground control systems (GSC) and also referred to as a ground cockpit. An unmanned aerial vehicle system has two parts, the drone itself and the control system.

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Discover Jobs In Drone Technology

Drone Engineer

Drone engineers develop drones based on their knowledge of different branches of engineering, such as aeronautical, electronics and electrical, mechanical, and robotics engineering. Also known as unmanned aerial vehicles (UAVs), drones may be used for commercial, consumer, or combat purposes.

Drone Pilot

A drone pilot is someone who is capable of effectively operating a drone. This involves the ability to have a drone safely take off and land. Drone pilots must also keep drones on course and ensure they are operated safely and avoid collisions.

Drone pilots' duties include checking the drones before they are flown to ensure that they are operating properly and monitoring the drone while it is being handled. They plan routes for drones to fly and then navigate the drones along those paths. Some drone operators work for the military and are responsible for gathering information on enemy troops or for maps; others may be involved with producing aerial photographs for other purposes.

Career Opportunities

- Agriculture, Farming and Fisheries
- Border Security
- Construction and Road Infrastructure
- Disease Control
- Emergency and Medical Services
- Firefighting and Prevention
- Forestry and Tree planting
- Military and Police
- Photography
- Real Estate
- Retail and Parcel Delivery
- Search and Rescue
- Sports Broadcasting and Refereeing
- Surveying
- Traffic Control
- Urban Planning



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Mobile Devices

A mobile device can be any mobile computer or a variety of other electronic devices that have portable functionality.

Typical examples include smartphones, tablets, laptop computers, smart watches, e-readers, and handheld gaming consoles.

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Discover jobs in Mobile Devices

App Designer

Mobile app design encompasses both the user interface (UI) and user experience (UX). Designers are responsible for the overall style of the app, including things like the colour scheme, font selection, and the types of buttons and widgets the user will use.

App Developer

Mobile app development is the creation of software intended to run on mobile devices and optimized to take advantage of those product's unique features and hardware. The types of mobile apps that developers create include native apps, hybrid apps and HTML5 apps.

E-Commerce Developer

Mobile e-commerce (m-commerce) is a term that describes online sales transactions that use wireless electronic devices such as hand-held computers, mobile phones or laptops. These wireless devices interact with computer networks that have the ability to conduct online merchandise purchases.

Mobile Developer

Mobile Developers are a type of software developer. They specialise in mobile technology such as building apps for Google's Android, Apple's iOS and Microsoft's Windows Phone platforms. Mobile developers use the programming languages and software development environment for their chosen platform.

Mobile System Engineer

Managing and monitoring all installed systems and infrastructure. Installing, configuring, testing and maintaining operating systems, application software and system management tools. Ensuring the highest levels of systems and infrastructure availability.

Game/App Developer

Game Developers are people with math, computer, or creative arts skills. They spend their time programming and developing games. This includes programming console, computer, and mobile video games.

Application Architect

Application architecture is a set of technologies and models for the development of fully-structured mobile programs based on industry and vendor-specific standards. As you develop the architecture of your app, you also consider programs that work on wireless devices such as smartphones and tablets.

Marketing Manager

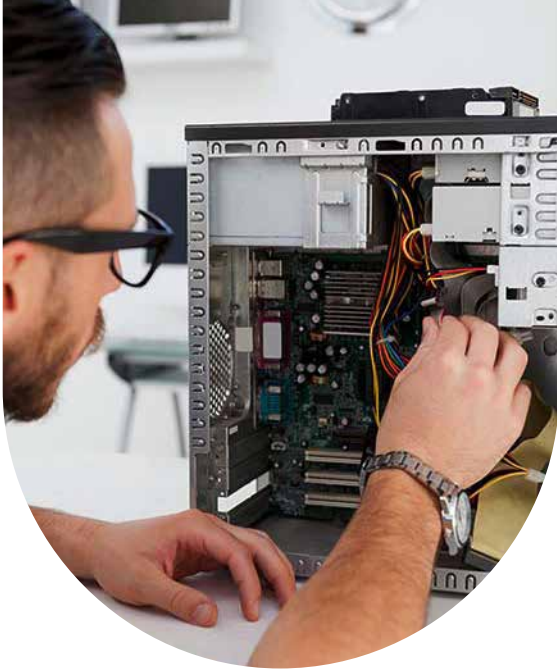
Duties of the Marketing Manager include: Managing all marketing for the company and activities within the marketing department. Developing the marketing strategy for the company in line with company objectives. Co-ordinating marketing campaigns with sales activities. Overseeing the company's marketing budget.



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Technical Support

Technical Support (tech support) refers to a range of services companies provide to their customers for products such as software, mobile phones, printers, and other electronic, mechanical products.

Technical Support services usually provide users with help in solving some common problems rather than providing training on how to use the product.

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Discover Jobs In Technical Support

Technical Support

Tech Support workers (help desk technicians) give essential technical support and troubleshooting services to end-users. In-house technicians provide support exclusively for employees of the company, while remote help desk technicians provide technical support to customers (mostly online). The job requires a strong understanding of software and computer hardware, and excellent communication skills. The role is generally considered entry-level where you provide customer service directly (and doesn't necessarily require an IT degree).

Job Titles

Desktop Administrator • ICT Helpdesk Technician • ICT On-Site Support Engineer • ICT Service Desk Officer • ICT Service Support Officer • ICT Support Officer • IT Service Desk Analyst • Desktop Support Technician • Field Service Technician • Field Tech Coordinator • IT Support Specialist • School Technical Officer • Tech Support • Technical Support Officer • Technology Support Officer

Computer Service Technician

Computer Service Technicians (also referred to as computer repair technicians) repair computer hardware and software. Some of the common tasks are replacing defective components, removing spyware and viruses, disassembling hardware, and running diagnostic tests. If a job in this field is your goal, start getting as much experience as you can in assembling and repairing computers. CompTIA A+ certification is a helpful qualification. Also consider completing a program at a tech school or university.

Job Titles

CSI Technician • Computer Service Technician • Field Technician • ICT Service Technician • ICT Support Technician • IT Support Technician • Onsite Support Technician



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Learn more about the variety of digital careers and the digital skills education and training available by visiting qld.gov.au/start-digital-career



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