

CAREER FACT SHEET

Software and Applications Programmers

Snapshot

Software and Applications Programmers design, develop, test, maintain and document program code in accordance with user requirements, and system and technical specifications

How many are employed in this occupation?	177,700
What are the average weekly earnings for full time workers?	\$2,208
How does unemployment compare with other occupations?	Average
What are the job prospects for this occupation?	Medium
What will be the likely future employment growth for the next five years?	Very Strong Growth

Main employing industries

Professional, Scientific and Technical Services; Financial and Insurance Services; Public Administration and Safety; Information Media and Telecommunications

Tasks

This occupation may include associated occupations with varying tasks.

- researching, consulting, analysing and evaluating system program needs
- identifying technology limitations and deficiencies in existing systems and associated processes, procedures and methods
- testing, debugging, diagnosing and correcting errors and faults in an applications programming language within established testing protocols, guidelines and quality standards to ensure programs and applications perform to specification
- writing and maintaining program code to meet system requirements, system designs and technical specifications in accordance with quality accredited standards
- writing, updating and maintaining technical program, end user documentation and operational procedures
- providing advice, guidance and expertise in developing proposals and strategies for software design activities such as financial evaluation and costings for recommending software purchases and upgrades

INDUSTRY OVERVIEW

Information Media and Telecommunications

Do you have a flair for coding in Java, fixing computer bugs and setting up data networks? Or are you into producing compelling web content via slick copy, video and audio production? If you answered yes to either of these questions then you should definitely explore the many career pathways available in the exciting world of Information, Media and Telecommunications. The Information, Media and Telecommunications industry requires people with a diverse range of skills. From those who can drive the technology that controls the storage and dissemination of information, to creative-types, skilled at producing innovative solutions for clients wanting their business to stand out from the crowd. This industry also employs people who have solid interpersonal skills for roles in client sales and support. Just about every organisation requires some kind of information technology facility, therefore working in this industry means the opportunity to gain experience in a variety of enterprises. There are career pathways in data management, games and multimedia design, hardware and software maintenance and support, database design and networking. You could work as an electronics technician, a data communications tradesperson or as website designer. With relevant qualifications and experience you could even manage entire information systems.



Information Media and Telecommunications

Possible job pathways

- Call or Contact Centre Workers
- Call, Contact Centre & Customer Service Managers
- Computer Network Professionals
- Graphic and Web Designers, and Illustrators
- ICT Managers
- ICT Sales Assistants
- ICT Sales Professionals
- ICT Support Technicians
- Software and Applications Programmers
- Technical Sales Representatives
- Telecommunications Engineering Professionals
- Telecommunications Technical Specialists
- Telecommunications Trades Workers
- Actors, Dancers and Other Entertainers
- Artistic Directors, Media Producers & Presenters
- Film, Television, Radio and Stage Directors
- Gallery, Library and Museum Technicians
- Journalists and Other Writers
- Performing Arts Technicians
- Printers
- Printing Assistants and Table Workers
- Public Relations Professionals
- Signwriters

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