

SOFTWARE ENGINEERS AND DESIGNERS

NOC 21231

Research, design, evaluate, integrate and maintain software applications, technical environments, operating systems, embedded software, information warehouses and telecommunications software.



3-YEAR OUTLOOK



Moderate

3-YEAR JOB OPENINGS

76

MEDIAN HOURLY WAGE

$52.88

$26.44 LOW

$81.73 HIGH

TYPICALLY REQUIRED



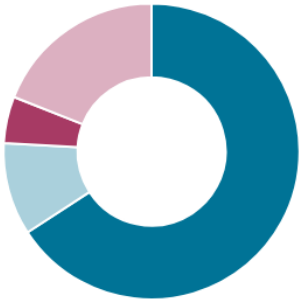
University

EMPLOYED

1,053

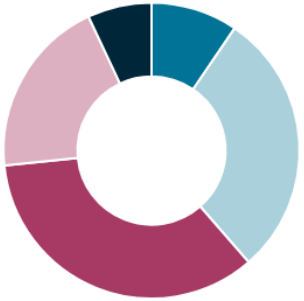
AVERAGE SALARY

$98,000



EMPLOYMENT BY INDUSTRY

65.8%	Professional, scientific and technical services
10.1%	Information and cultural industries
5.1%	Finance and insurance
19.0%	All Other Industries



EMPLOYMENT BY AGE

9.5%	15-24
29.1%	25-34
34.8%	35-44
19.6%	45-54
7.0%	55-64
Suppressed	65+

ALSO KNOWN AS

- Application Architect
- Computer Software Engineer
- Embedded Software Designer
- Embedded Software Engineer
- Software Architect
- Software Design Engineer

MAIN DUTIES:

This group performs some or all of the following duties:

- Collect and document users' requirements and develop logical and physical specifications
- Research, evaluate and synthesize technical information to design, develop and test computer-based systems including mobile applications
- Develop data, process and network models to optimize architecture and to evaluate the performance and reliability of designs
- Plan, design and coordinate the development, installation, integration and operation of computer-based systems including mobile applications.

