



# 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 \$81.73  
LOW HIGH

## TYPICALLY REQUIRED



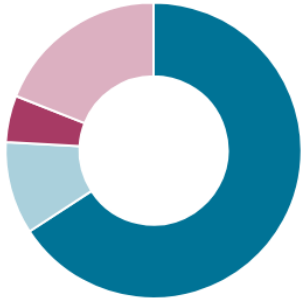
University

## EMPLOYED

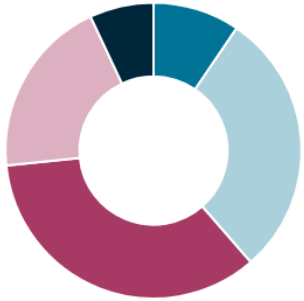
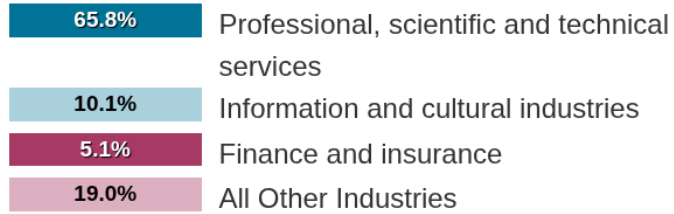
1,053

## AVERAGE SALARY

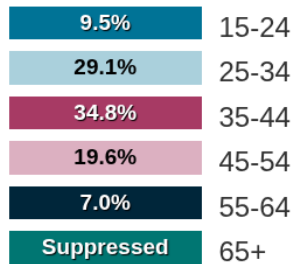
\$98,000



## EMPLOYMENT BY INDUSTRY



## EMPLOYMENT BY AGE



## ALSO KNOWN AS

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

