



# 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

65

## MEDIAN HOURLY WAGE

\$41.74

\$22.00    \$59.35  
LOW            HIGH

## TYPICALLY REQUIRED



University

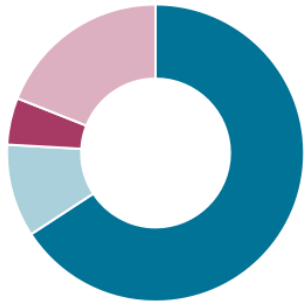
## EMPLOYED

969

## AVERAGE SALARY

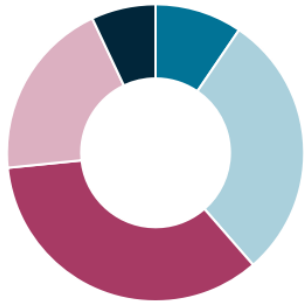
\$98,000

The information presented is based on data for New Brunswick. To learn more about the data provided, visit [www.nbjobs.ca/occupations](http://www.nbjobs.ca/occupations).



### EMPLOYMENT BY INDUSTRY

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



### EMPLOYMENT BY AGE

<b>9.5%</b>	15-24
<b>29.1%</b>	25-34
<b>34.8%</b>	35-44
<b>19.6%</b>	45-54
<b>7.0%</b>	55-64
<b>0.0%</b>	65+

### 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.

