

# SOFTWARE DEVELOPER



COMPUTER SCIENCE CAREER- CS20 - AARSH SHAH



## In the Life of a Software Developer

**Software Developers** are the innovative back bones of computer apps, programs or systems. Depending on your role you might create the apps that allow people to do certain tasks or make the system that actually lets a device run.

On a **day to day basis** of a software developer consists of: examining users needs, then to design, test, and develop software to meet those needs. Regularly check if a software functions properly. Plan and design the pieces of an app to ensure they work together. Document all the aspects of an app so that it can easily be fixed or changed.

**Some skills** required for this position are: great communication skills, so that you can easily collaborate with other developers. Attention to detail, so that you so see the little things such as mistakes or other important parts. The ability to learn new languages and technologies.

**Education:** Most computer software development careers will follow a path of a bachelor's degrees in computer science or software engineering. These programs consist of math, which include a sequence in calculus, differential equations, and linear algebra. A program in physics is also required. Students usually complete these requirements in the first two years of univervisty

### Pro's

- **Excellent pay range:** Compared to other careers the salary is high.
- **Transferable Skills:** You learn a wide variety of things such as programming languages, software tools, etc. during your time with one company and can use that knowledge in another company.
- **Work from Anywhere:** Technically you can work from anywhere as long as you have WiFi and a computer. places of convenience such as your home.

### Con's

- **Time Pressure:** You are tight deadlines that require tedious long hours even on weekends. This can cause developers to sacrifice their social or personal lives.
- **Constantly Enhance Skills:** Technology is always changing meaning you have to be able to adapt and learn to stay in successful in the field.
- **Sitting Job:** This job mostly consists of sitting at a desk in front of a computer screen. This can make you very unhealthy quickly.

## PROGRAMMING LANGUAGES

- Python
- Java
- C#
- Ruby
- JavaScript
- HTML

## PAY SCALE 💰

- **Entry-Level:**  
An average of \$46,000 CAD
- **Experienced:**  
Upwards of about \$87,000 CAD

## POTENTIAL SASKATCHEWAN EMPLOYERS

- iQmetrix
- Business Watch International
- IBM

## MORE INFO ⓘ

- <https://collegegrad.com/careers/software-developers>