

Shaping the Future of Health Care



Software Development Engineer

Software Development Engineers write, debug, maintain, and test software that instructs a computer or another device to accomplish certain tasks. They are responsible for the development and operation of efficient applications. They create many types of solutions, such as desktop and web applications, mobile applications, games, robots, operating systems, network systems, etc. They use programming languages, frameworks, databases, servers, and other technologies to turn an idea into a final product.

Job Outlook:

The U.S. Bureau of Labor Statistics projects software engineering jobs will grow 21% during the period 2018-2028, compared to 11% for all other occupations combined. As technology advances and the expected need for newer software emerges, the demand for software developers will rapidly expand.

Expected Salary Range:

\$55,000 - \$110,000 per year

Education:

Bachelor's degree or equivalent experience in a discipline related to Computer Science.

Classes to Take in Middle and High School to Get a Head Start:

- Advanced Math
- Application and Web Design
- Computer Science
- Computer Programming
- Robotics

Skill Builders:

- Analysis
- Communication
- Problem Solving
- Programming
- Teamwork
- Time management
- Writing