

### **CAREER OUTLOOK <sup>1</sup>**

Job openings in this field are expected to grow much faster than average!

**Projected job growth:**  
22% (2020–2030)

**Average salary:**  
\$131,490/year

# R&D Software Engineer

**R&D software engineers** are part of the research and development team of a company. They use their creativity and technology skills to develop software that becomes a new and innovative product for the market or allows an existing product to function to its best ability. They work cooperatively with a team to see their ideas come to life for a range of different organizations, including computer systems, medical devices, or products we need in our everyday life. The need for this career is on the rise, and the salary is higher than many careers. With a bachelor's degree and strong use of the scientific method, you can join a team of innovative R&D Software Engineers.

## **WHAT IS AN R&D SOFTWARE ENGINEER?**

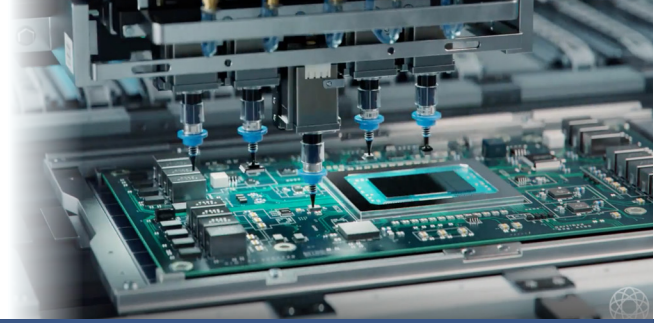
**R&D software engineers** design, develop, code, test, and debug existing software before using innovative thinking to improve it. They may need to develop tools to test existing software and contribute to a design as well as develop software that meets requirements. They use teamwork with their team and with other engineers cross-departmentally to fully understand new requirements and to provide solutions. R&D software engineers can understand customer needs, analyze the business impact, and look at trade-offs before coming up with technological solutions.

## **IS R&D SOFTWARE ENGINEER A GOOD CAREER FOR ME?**

R&D software engineers are:

- tech savvy
- curious problem solvers
- confident team players
- effective communicators
- lifelong learners
- organized

<sup>1</sup> <https://www.bls.gov/ooh/computer-and-information-technology/computer-and-information-research-scientists.htm#tab-1>



# R&D Software Engineer

## AM I...

- Curious?
- Confident?
- Organized?
- Excited about technology?

## DO I...

- Like to Solve Problems?
- Work Well in Teams?
- Like to research and learn new things?

## HOW DO I BECOME AN R&D SOFTWARE ENGINEER?

You will need to:

- take classes in math, science, and technology.
- become proficient in coding.
- develop your communication and teamwork skills.
- study computer science and computer engineering in college.
- get job experience working with computers and programming.