

CAREERS IN SUSTAINABILITY

Software Engineer (App development)



What do software engineers do?

Software engineers work to solve problems by creating computer programs. App developers are software engineers who specialize in developing web or mobile apps. These apps can have a variety of different goals. Take a look at the apps on your phone or computer.

Can you find an app that:

- Connects you with other people?
- Helps you keep track of your health and wellbeing?
- Encourages you to learn something new or be creative?

Their work includes:

You are using similar skills when you:



Meeting with potential users to understand their wants and needs and understand their feedback.



Collaborating with designers, programmers, and other team members to create a fully functional system.

Consider other people's opinions when making decisions in a group project.



Creating digital prototypes and mockups to test how well their concept works.

Visually express your ideas through sketches or digital drawings.



Iterating on their original design using feedback from users to make the final product better.

Tinker with different solutions to a problem.



You can see them working with:

User experience (UX) designers, graphic designers, project managers, and back-end developers. Learn more about software engineering and related careers at <https://bayarea.gladeo.org/>



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These career exploration resources were developed in collaboration with [Santa Clara County Office of Education](#)