SOFTWARE ENGINEERING

A Software Engineer is an IT professional who designs, develops and maintains computer software at a company. They use their creativity, technical skills and apply the principles of software engineering to help solve new and ongoing problems for an organization.

Requirements and Skills for Being a Software Engineer:

- Excellent knowledge of coding languages.
- Excellent knowledge of databases and their structure.
- Ability to design interactive applications.
- Ability to document requirements and specification for said applications.

Software Engineer Responsibilities:

- Being able to execute full lifecycle software development.
- Programming well-designed, testable, efficient code.
- Developing flowcharts, layouts and documentation to identify requirements and solutions.
- Documenting and maintaining software functionality.
- Troubleshoot, debug and upgrade existing systems.
- Evaluate user feedback.

Software Engineer's Opportunities:

-Because Software Engineering is a hard job and is the highest demanding job in the world, its income can be anywhere between 50 and 500 thousand dollars per year.

-Companies that pays the most money to software engineers are Apple, Google, Amazon and Uber. In these companies your salary can be up to almost a million dollars per year depending on your level of experience.

-You can work remotely from your house as an software engineer but sometimes you need physical interfering with the device you are working on and some companies have not switched to remote work and want you in their building.

-Typically, software engineers will have some time off on the weekends and during major holidays. This can vary depending on company policy and local legislation or it may be negotiated between an employer and employee, especially if the engineer has a contract rather than a full-time position.