**CORPORATE STRUCTURE**

**Software Industry Working**

* **Business analyst:** **Consults** clients and receives their **design demands**.
* **Software requirement specification (SRS):** **Document** containing details about these design demands.
* **Business requirement specification (BRS):** A type of documentation, which is available to developers and fellow employees only.
* **Senior SDE** calculates different resources required.

**Flow of Roles**

* **Budget** comes to senior **SDE** and he manages it.
* Those who are **directly hired** as **senior SDE**, are **inexperienced** but generally have a **very high expectations** from the team.
* **Build engineer:** Provides release details to the product.
* **DevOps engineer:** Applies all knowledge of software, business, maintenance and quality assurance whenever a company faces any kind of crisis.
* **Architect engineer:** Provides designs and structures for the software.

**Most Booming Technologies (2024)**

* ***Rust***
* ***React***
* ***Agile*** SDLC model

**Types of Testing**

* **Manual testing:** Testcases are passed & reports are made on test sheet.
* **Automated testing:** Smart program finds the bugs and makes report on it.

**Frontend & Backend**

* ***node.js*** is used in **connecting** frontend and backend.

**Security Terms**

* **Hosting service:** **Automatic** update system in an application.
* **Ransomware:** In-build **anti-virus** **system** that protects **firewall**.