Types of Software Engineers and Their Typically Required Skills

Types of Software Engineers

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Front End Engineers	Back End Engineers	Full Stack Engineers
Designs and codes user interfaces for applications	Builds and maintains server-side logic for applications	**MOST LEARNING** Everything Front End & Back End Engineers do
Skills Include	*Skills Include*	*Skills Include*
✓ Version Control	✓ Version Control	✓ Version Control
✓ HTTPS Understanding	✓ HTTPS Understanding	✓ HTTPS Understanding
✓ APIs Understanding	✓ APIs Understanding	✓ APIs Understanding
✓ Programming Language	✓ Programming Language	✓ Programming Language
✓ HTML	✓ Database Proficiency	✓ HTML
✓ CSS	✓ Caching Strategies	✓ CSS
✓ JavaScript	✓ Server Management and Deployment	✓ JavaScript
✓ Front-end Frameworks		✓ Front-end Frameworks
React		React
Vue		Vue
Angular (so on ...)		Angular (so on ...)
		✓ Database Proficiency
		✓ Caching Strategies
		✓ Server Management and Deployment

In this overview, we'll explore three key types of Software engineers:

1. Front-End Engineer:
   Specializes in creating user interfaces using HTML, CSS, and JavaScript. They focus on ensuring that apps are visually appealing and user-friendly.

2. Back-End Engineer:
   Works on the server-side of web applications, managing data, business logic, and server infrastructure to ensure functionality, performance, and security.

3. Full-Stack Engineer:
   A versatile expert who combines the roles of Front-End and Back-End engineers, handling UI design, server-side tasks, databases, APIs, and ensuring seamless application integration. They cover the entire development spectrum from start to finish.

Over to you: Which type of software engineer resonates most with your interests and career aspirations?