web development involves building and maintaining websites and web applications. it encompasses frontend development, which focuses on the user-facing aspects like designs and interactivity, and backend development, which handle server side operations, databased and application logic. web developers use use languages such as HTML, CSS, Javascript, PHP, Ruby, Python and framework like React, Angular and Django. The field requires knowledge of web standards, security pratices and performance optimization to create efficient, secure and user-friendly web experience.