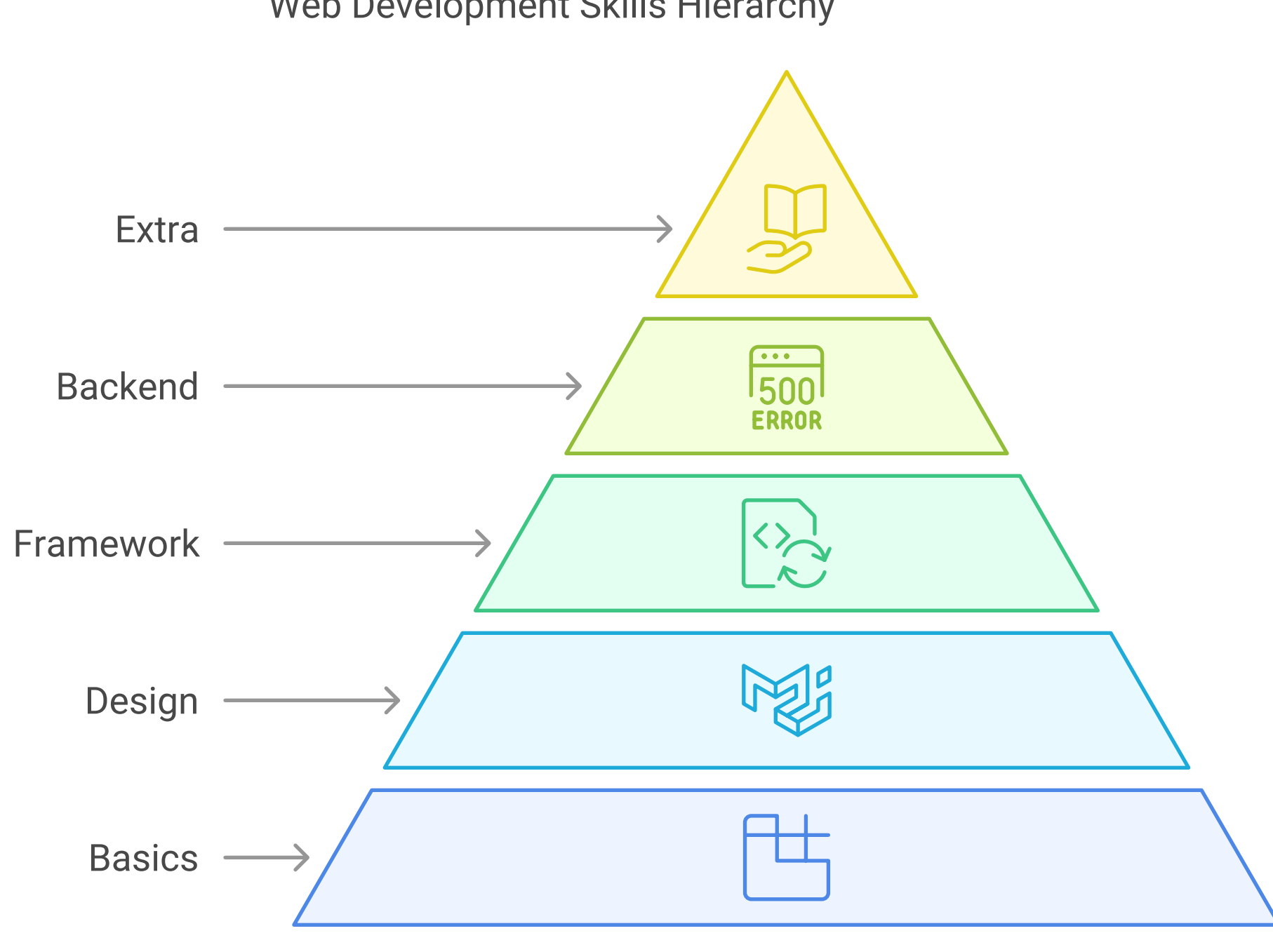


Web Development Skills Progression

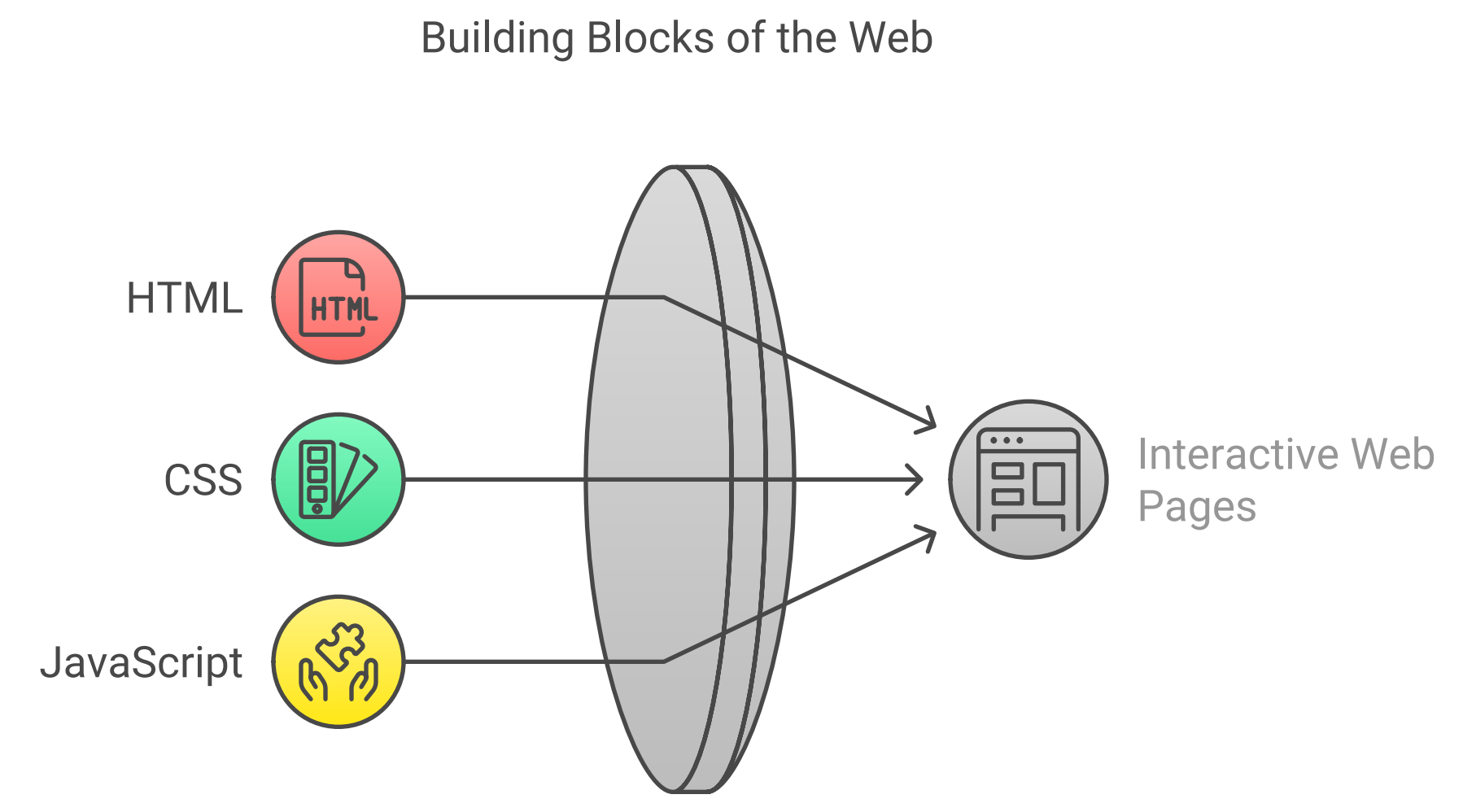
[Author : MD Rafiul Siddique]

This document outlines a structured progression of web development skills, categorized into five distinct sections: Basics, Design, Framework, Backend, and Extra. Each category represents a level of expertise, starting from foundational skills and advancing to more complex and specialized knowledge. This arrangement serves as a guide for individuals looking to enhance their web development capabilities.



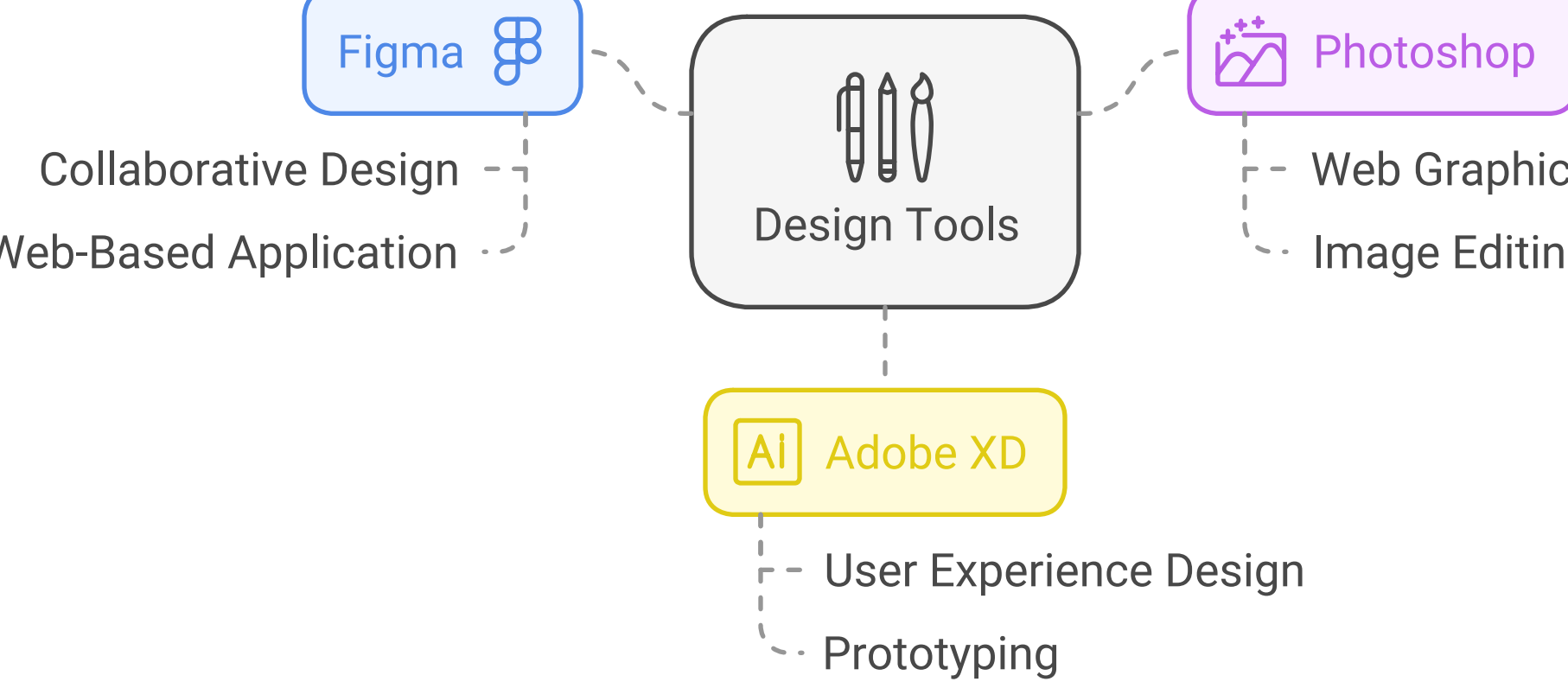
1. Basics

- The foundational skills necessary for any web developer include:
- HTML:** The standard markup language for creating web pages.
 - CSS:** A style sheet language used for describing the presentation of a document written in HTML.
 - JavaScript:** A programming language that enables interactive web pages and is an essential part of web applications.



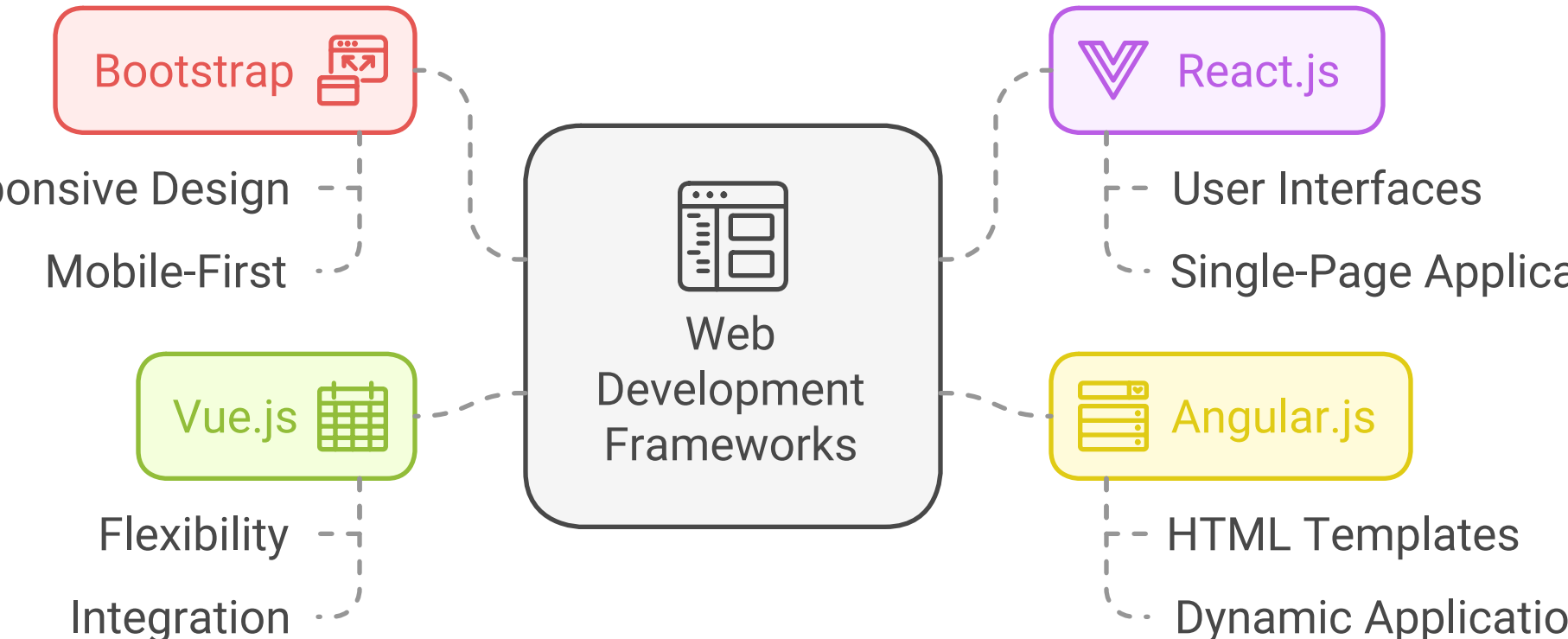
2. Design

- Once the basics are mastered, understanding design tools becomes crucial:
- Figma:** A web-based UI/UX design application for collaborative design.
 - Photoshop:** A powerful image editing software used for web graphics and design.
 - Adobe XD:** A vector-based tool for designing and prototyping user experiences for web and mobile apps.



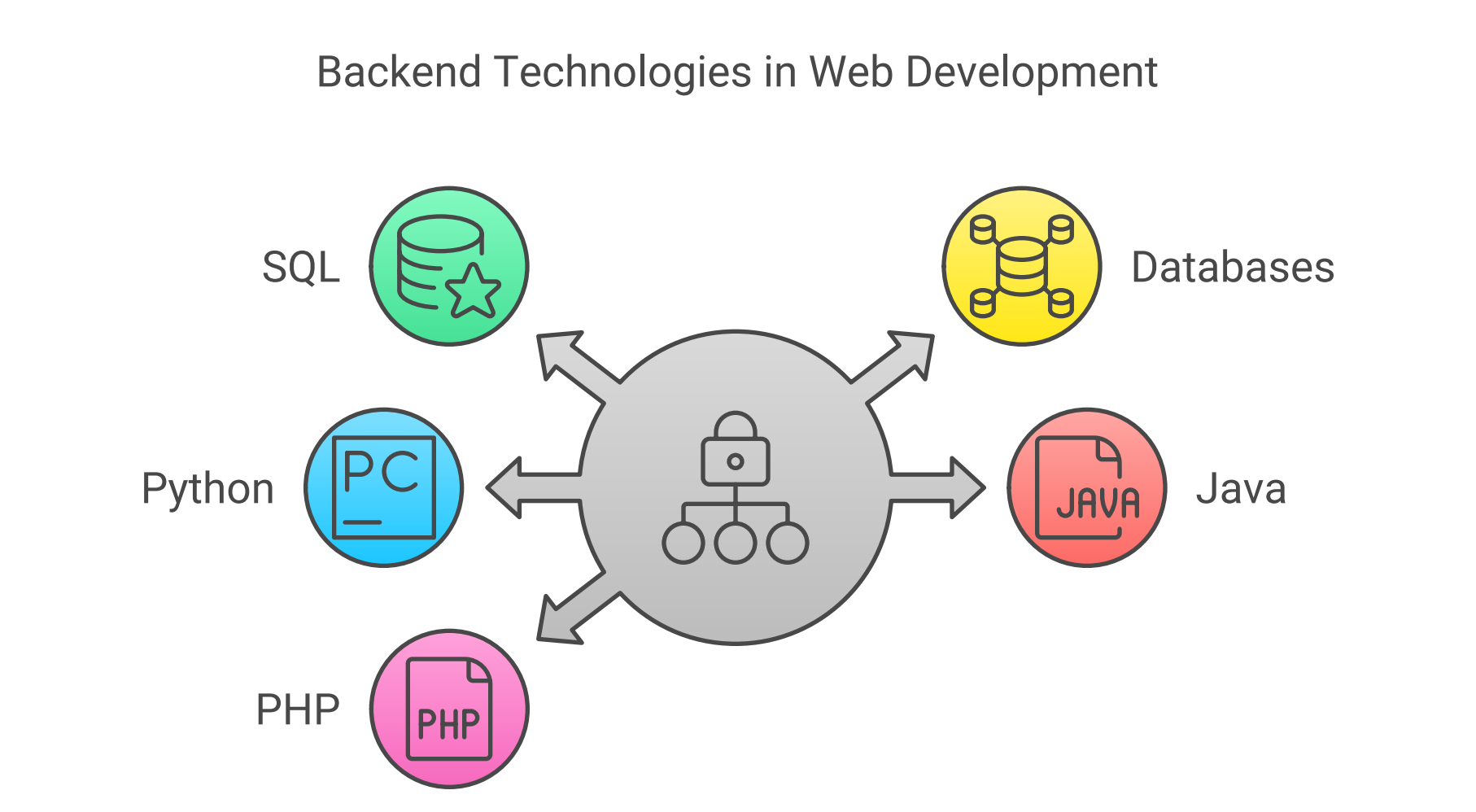
3. Framework

- With a solid foundation in HTML, CSS, and JavaScript, developers can explore frameworks that enhance productivity:
- Bootstrap:** A front-end framework for developing responsive and mobile-first websites.
 - React.js:** A JavaScript library for building user interfaces, particularly for single-page applications.
 - Angular.js:** A structural framework for dynamic web applications, allowing developers to use HTML as their template language.
 - Vue.js:** A progressive framework for building user interfaces, known for its flexibility and ease of integration.



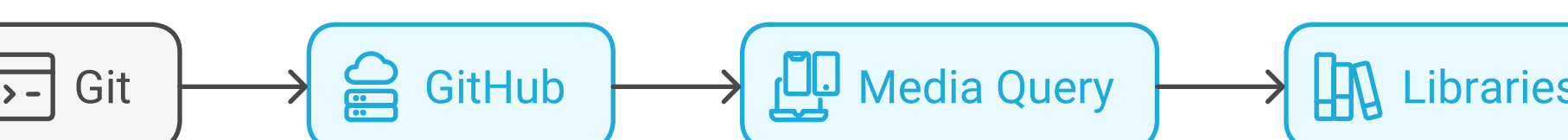
4. Backend

- To build full-stack applications, knowledge of backend technologies is essential:
- SQL:** A standard language for managing and manipulating databases.
 - Databases:** Understanding different types of databases (relational and non-relational) is crucial for data management.
 - Python:** A versatile programming language often used for server-side development.
 - Java:** A widely-used programming language that is particularly strong in enterprise-level applications.
 - PHP:** A server-side scripting language designed primarily for web development.



5. Extra

- Finally, additional skills that enhance a developer's toolkit include:
- Git:** A version control system that tracks changes in source code during software development.
 - GitHub:** A platform for hosting and collaborating on Git repositories.
 - Media Query:** A CSS technique used to apply styles based on the device characteristics, enhancing responsive design.
 - Libraries:** Various JavaScript libraries that simplify complex tasks and enhance functionality.



This structured approach to web development skills provides a clear pathway for learners to follow, ensuring a comprehensive understanding of both front-end and back-end technologies.

