

## **Node.js**

- Open-source, back-end JavaScript runtime environment.
- Runs on the V8 engine, executing JavaScript outside a web browser.
- Uses a non-blocking, event-driven architecture for asynchronous processing.
- Ideal for scalable, real-time, and networked applications.
- Utilizes Node Package Manager (NPM) for a vast library of modules.
- Unified JavaScript development for both server-side and client-side.
- Widely used in web development, IoT, and cloud-based solutions.