

■ Frontend Developer Key Terms Cheat Sheet

- **ESLint:** Linting tool for JavaScript/React. Catches bugs, style issues, enforces coding standards.
- **Webpack:** Module bundler. Bundles JS, CSS, images. Uses loaders & plugins.
- **Bundler:** Generic term for tools (Webpack, Vite, Parcel) that bundle files into optimized builds.
- **Code Splitting:** Splits app into smaller chunks, loads only what's needed (e.g., dynamic imports).
- **Babel:** JS compiler. Converts modern JS/JSX/TS into older, browser-compatible code.
- **Twistlock Scan:** Security tool (Prisma Cloud). Scans Docker images, containers, dependencies.
- **Tree Shaking:** Removes unused code from final bundle. Reduces size.
- **Polyfills:** Provides modern JS features in older browsers (e.g., Promise, fetch).
- **Hot Module Replacement (HMR):** Dev server feature for instant updates without full reload.
- **JSDOM:** Simulates DOM in Node.js for testing. Used in Jest/RTL.
- **SonarQube:** Static code analysis tool. Finds bugs, vulnerabilities, code smells, and test coverage.