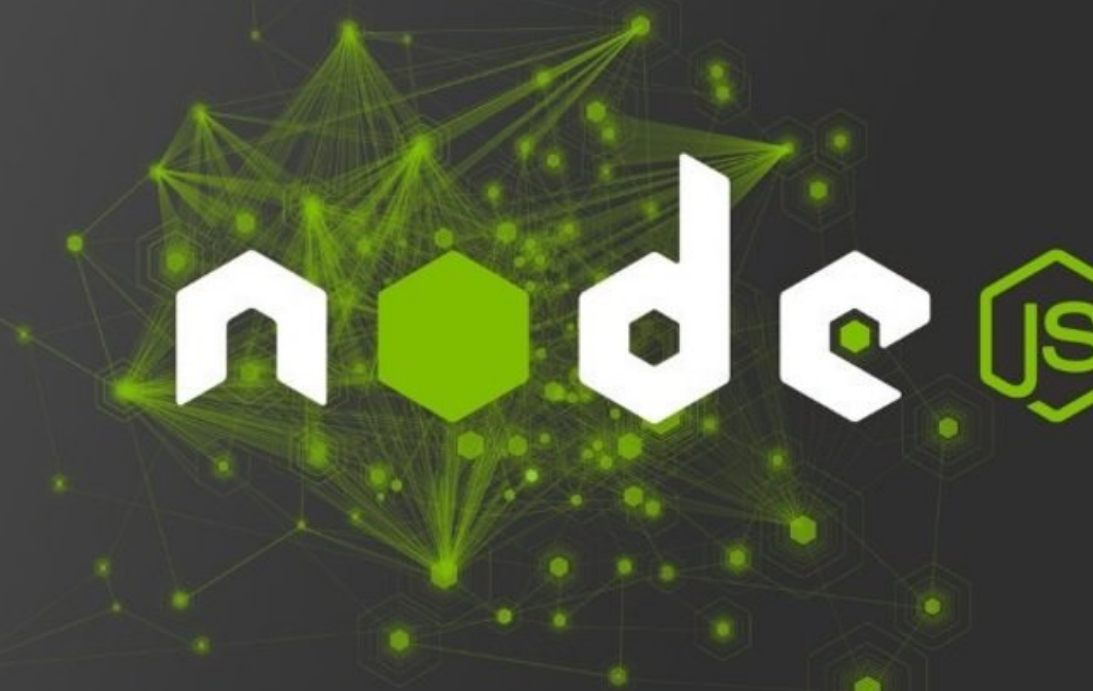


The Node.js logo is centered on a dark gray background. The logo consists of the word "node" in white, lowercase letters, followed by a green hexagon containing the letters "JS" in white. A registered trademark symbol (®) is located to the right of the "JS" hexagon. The background is decorated with a complex network of glowing green lines and dots, resembling a web or a neural network, with several hexagonal shapes scattered throughout.

000 000 00000 0000 000 0000 00 00000000 000000000000 00 0000 000 0000 00000 00 00000000 00
 0 00 000000 00000000 00000000 00 000 00 000000000000 0Node.js 000 00 000 .000000 000 00 00000000
 0000000 00 000 Cloud Foundry .00 000000 (PaaS) 000000 00000 00 0000000 00000 0000 0000 00 000 00 00000000
 .000 00000 000 0000000000

Server Architecture

```
graph TD; A[JAVASCRIPT APPLICATION CODE] --> B[JAVASCRIPT / AJAX LIBRARIES]; A --> C[PHOBOS JAVASCRIPT LIBRARIES]; B --> D[MOZILLA RHINO]; C --> D; C --> E[JAVA™ LIBRARIES]; D --> F[PHOBOS RUNTIME]; E --> F; F --> G[RDBMS]; F --> H[JAVA™ PLATFORM]; G --> H;
```

The diagram illustrates the Server Architecture layers:

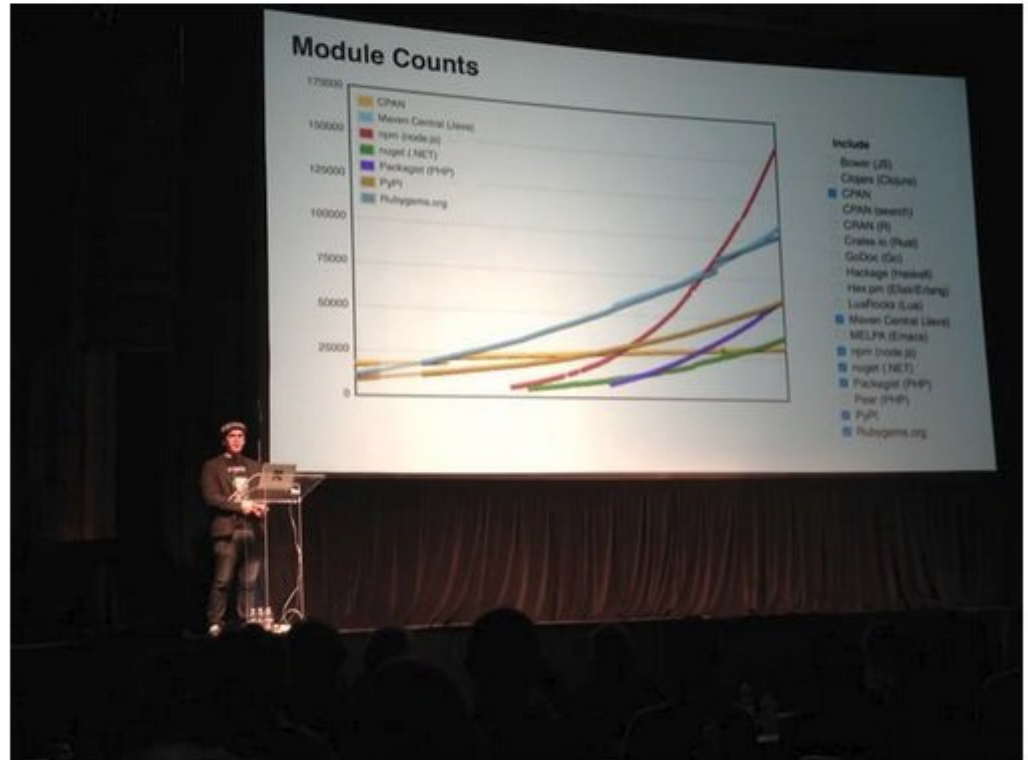
- JAVASCRIPT APPLICATION CODE** (Top Layer)
- JAVASCRIPT / AJAX LIBRARIES** (Second Layer, Left)
- PHOBOS JAVASCRIPT LIBRARIES** (Second Layer, Right)
- MOZILLA RHINO** (Third Layer, Left)
- JAVA™ LIBRARIES** (Third Layer, Middle)
- RDBMS** (Third Layer, Right)
- PHOBOS RUNTIME** (Fourth Layer, Left)
- JAVA™ PLATFORM** (Bottom Layer)

[illegible]



Free Code Camp @FreeCodeCamp · Jun 23

Node.js is the biggest open source ecosystem that has ever existed. @mikeal #jQuerySF



Node.js

Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. It allows developers to execute JavaScript code outside of a web browser, enabling them to perform server-side scripting. Node.js is designed to be lightweight and fast, making it ideal for building scalable network applications. It uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices. Node.js is built on the V8 JavaScript engine, which is the same engine used by Google Chrome. This means that Node.js can execute JavaScript code at the same speed as Chrome. Node.js also includes a built-in package manager called npm, which makes it easy to install and manage dependencies. Node.js is a cross-platform runtime, meaning it can run on any platform that supports a modern operating system. Node.js is a powerful tool for building web applications, and it is one of the most popular JavaScript runtimes in the world.

Node.js

Chrome's V7 javascript engine is a powerful tool for building web applications. It is a cross-platform runtime, meaning it can run on any platform that supports a modern operating system. Node.js is a JavaScript runtime built on Chrome's V8 JavaScript engine. It allows developers to execute JavaScript code outside of a web browser, enabling them to perform server-side scripting. Node.js is designed to be lightweight and fast, making it ideal for building scalable network applications. It uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices. Node.js is built on the V8 JavaScript engine, which is the same engine used by Google Chrome. This means that Node.js can execute JavaScript code at the same speed as Chrome. Node.js also includes a built-in package manager called npm, which makes it easy to install and manage dependencies. Node.js is a cross-platform runtime, meaning it can run on any platform that supports a modern operating system. Node.js is a powerful tool for building web applications, and it is one of the most popular JavaScript runtimes in the world.

