# Node.JS - Introduction

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# We will cover with the following concepts

1)   History of NodeJS

2)   Current scenario

3)   Why use NodeJS?

4)   Use cases

# NodeJS was released in 2009 by Ryan Dahl

- Back in 2007-08, Browsers were outdated and couldn't meet the demand of dynamic web. That's where google created a browser from scratch using a new Javascript interpreter called Javascript V8 engine.

- V8 engine was highly optimized for running javascript and gave insanely fast performance while browsing web.

- In 2009, Ryan dahl came up with the idea of moving V8 to server side and execute JS on server.

- The idea of using JS on server side stuck like a wildfire as it freed developers from the burden of learning a lot of server side languages/frameworks and learn just one language to write both frontend and backend.

# Reasons to use Node.JS

- **Fast and scalable** - Ability to process multiple requests with low response time.

- **Stable and growing community** - NPM containing lakhs of packages supporting your JS development.

- **Modern technology -** Can handle more traffic on less hardware and comes built with all the modern development needs and measure which makes application development more easy and fast.

- **Industry support -** Big players not only use Node.JS, but also contribute to its core and frameworks to make it more robust.

And many more.....

# Industry giants from startups to corporates, all trust Node.js today

Node.js users span a variety of industries

# NodeJS specializes in certain use cases while fails in others

Specializes in -

1. Real time applications - live chat, Instant messaging etc.

2. Video, voice etc.

3. E-commerce or any platform expecting multiple transactions happening at same time.

4. CRUD applications

Not recommended when -

1. CPU intensive jobs

# The next steps are ...

How Node.JS works?