



TRUTHSIFT ANALYSIS

BEST API ARCHITECTURE FOR MODERN APPS?

Analyse which API architecture is best for modern applications. We provide a breakup of different API architectures, where every API can be discussed through its own graph.

Each API architecture is shown by a graph

- 1. Google Remote Procedure Calls - 9 nodes
- 2. REST APIs - 9 nodes
- 3. GraphQL - 7 nodes

PARTICIPANTS

There were 20 participants

PROBABILITY LIKELIHOOD

Scoring Parameter(s):

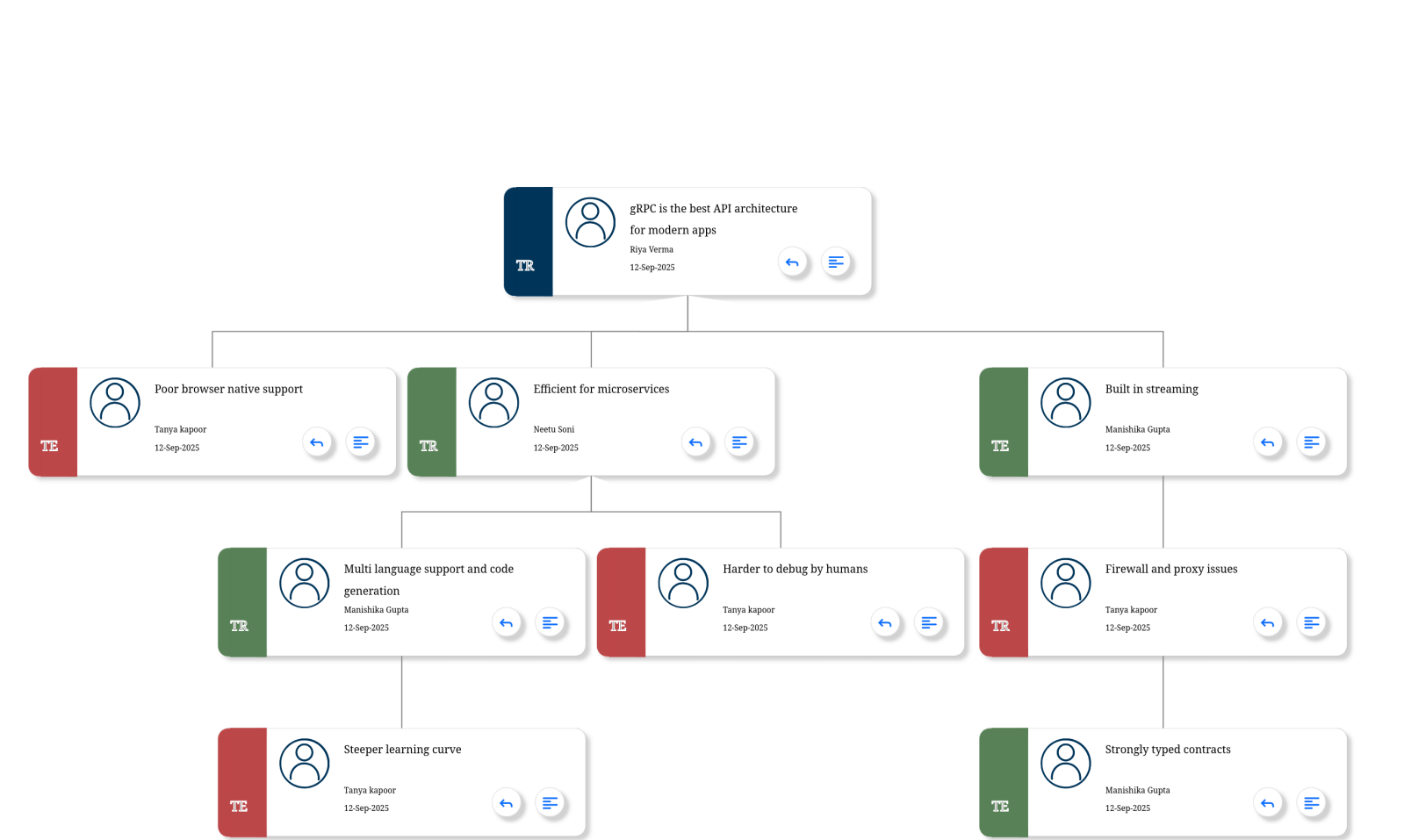
- 1. Ease of use
- 2. Performance
- 3. Scalability
- 4. Developer learning curve
- 5. Community support

GRAPH	SCORE
1. Google Remote Procedure Calls	90%
2. REST APIs	85%
3. GraphQL	80%

GRAPH SNAPSHOT

Google Remote Procedure Calls

<https://app.truthsift.com/spectate/placeholder/532/17>



GRAPH SNAPSHOT

REST APIs

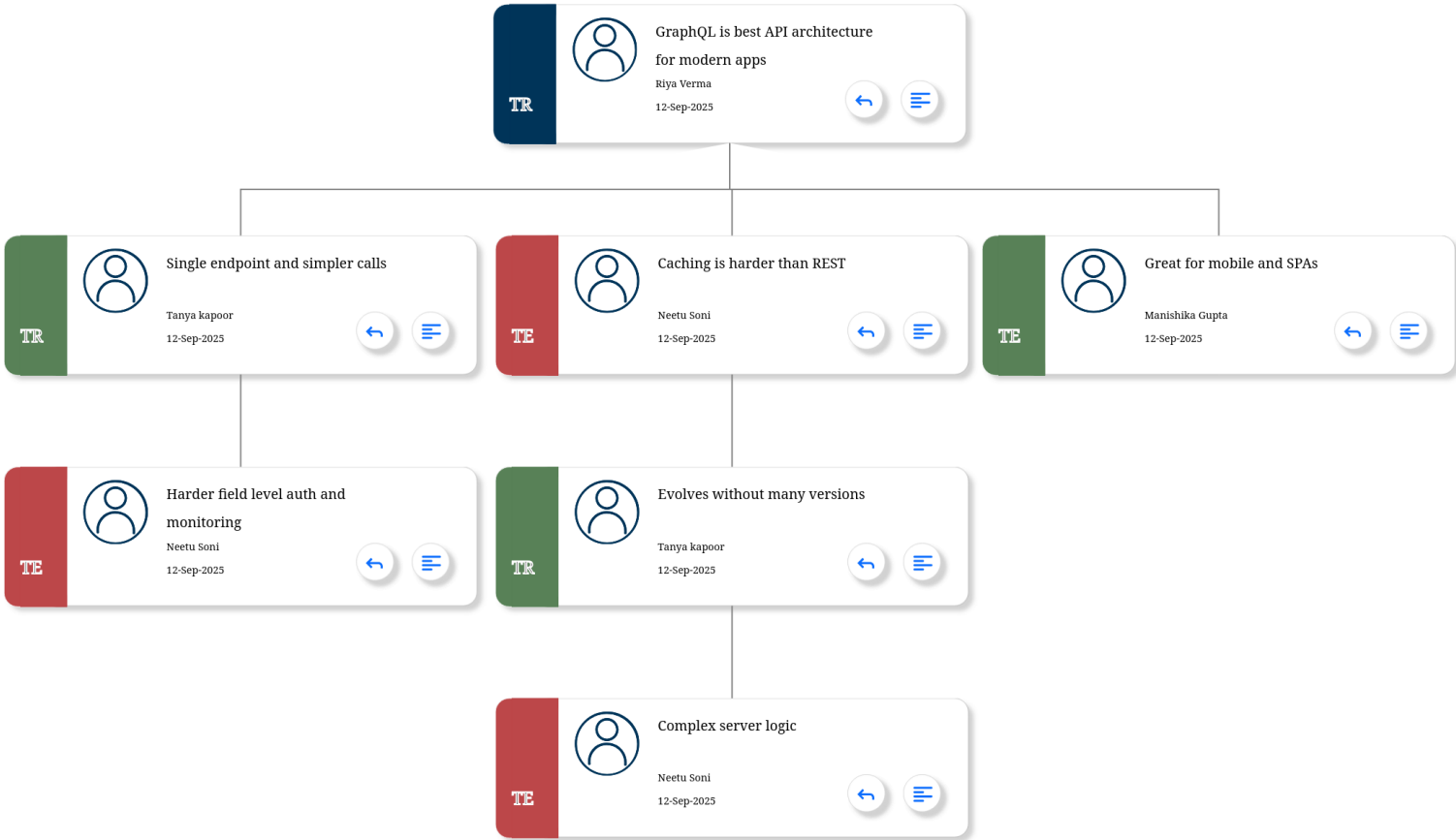
<https://app.truthsift.com/spectate/placeholder/530/17>



GRAPH SNAPSHOT

GraphQL

<https://app.truthsift.com/spectate/placeholder/531/17>



OVERALL VERDICT

"gRPC - 95%
SOAP - 70%

Based on the scores, we can analyze the best API architecture for modern applications.

- 1. Google Remote Procedure Calls (gRPC) - 95%
- Ease of use: 90%
- Performance: 95%
- Scalability: 90%
- Developer learning curve: 85%
- Community support: 90%

gRPC stands out as the best API architecture for modern applications due to its high performance and scalability. It is particularly well-suited for microservices architectures, where efficient communication between services is crucial. The ease of use and strong community support further enhance its appeal, making it a top choice for developers.

- 2. REST APIs - 85%
- Ease of use: 85%
- Performance: 80%
- Scalability: 85%
- Developer learning curve: 80%
- Community support: 90%

REST APIs are widely used and have a strong community backing. They offer a good balance of ease of use and scalability, making them suitable for a variety of applications. However, their performance may not match that of gRPC, especially in high-load scenarios. Despite this, REST APIs remain a popular choice for many developers due to their simplicity and familiarity.

- 3. Google Remote Procedure Calls (gRPC) - 95%
- Ease of use: 90%
- Performance: 95%
- Scalability: 90%
- Developer learning curve: 85%
- Community support: 90%

gRPC is a high-performance API architecture that excels in scalability and ease of use. Its strong community support and developer-friendly features make it an attractive option for modern applications, particularly in microservices environments.

- 4. GraphQL - 80%
- Ease of use: 80%
- Performance: 75%
- Scalability: 80%
- Developer learning curve: 75%
- Community support: 85%

GraphQL offers flexibility in data retrieval, allowing clients",