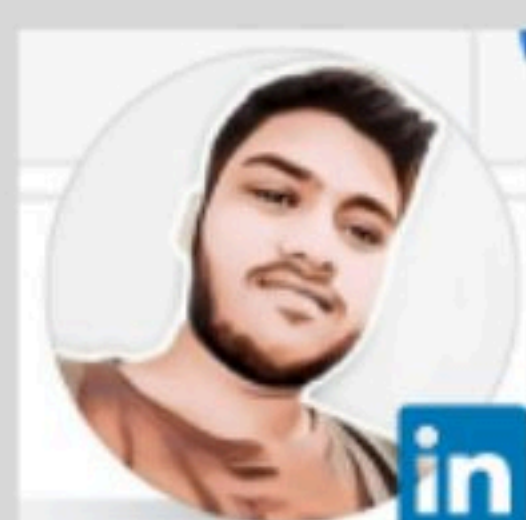
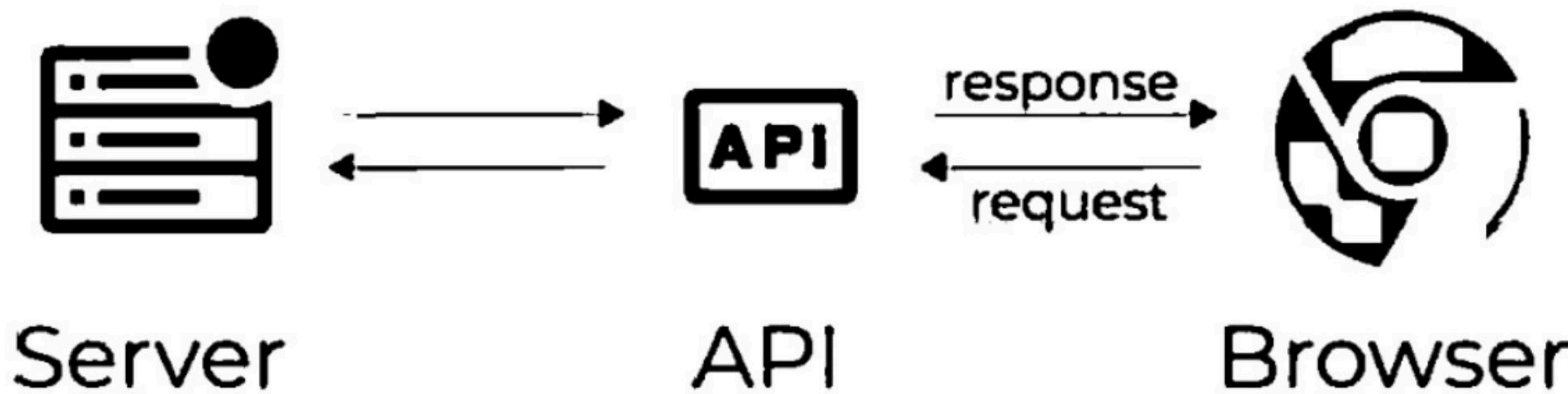


How API works?



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What is API?

API stands for 'Application Programming Interface'.

An API is a set of programming code that enables data transmission between one software product and another. It also contains the terms of this data exchange.



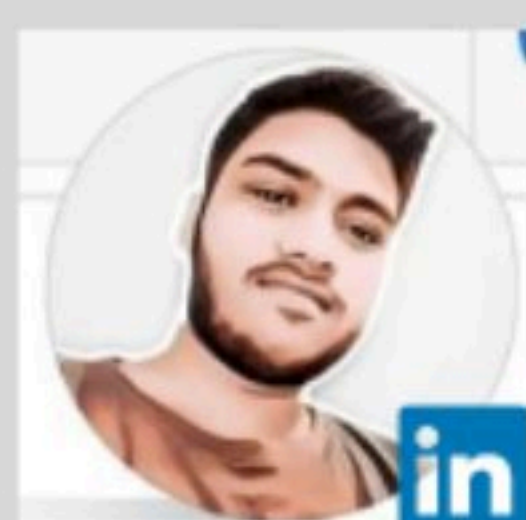
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Types of API

1. Public

2. Partner

3. Private or Internal



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1. Public API

Available to any third party developers.

API's are publicly available to developers and other users with minimal restriction. They may require registration, use of an API Key or OAuth, or maybe completely open.

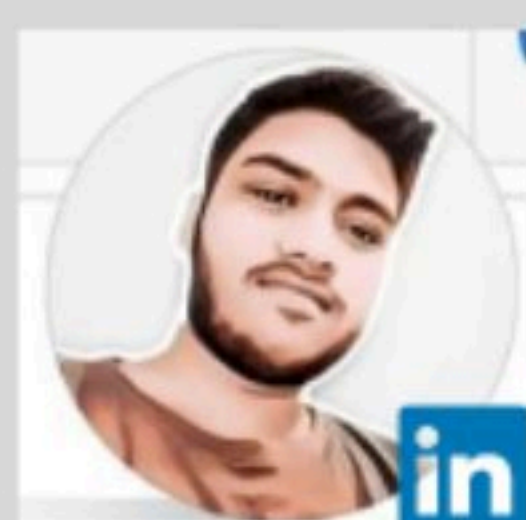


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2. Partner API

Partner APIs are APIs exposed by/to the strategic business partners.

They are not available publicly and need specific entitlement to access them.



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3. Private API

Private APIs, are hidden from external users and only exposed by internal systems.

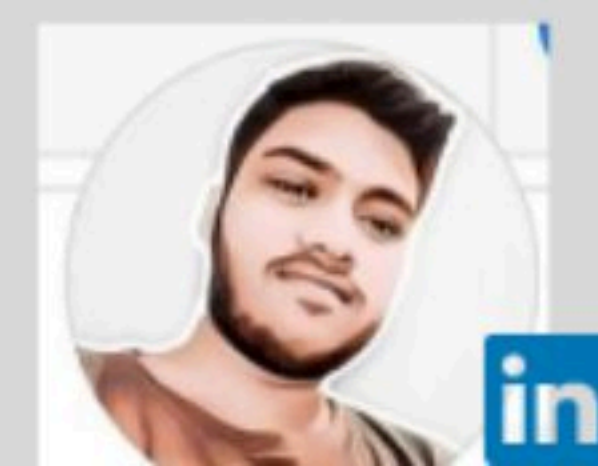
Internal APIs are not meant for consumption outside of the company but rather for use across different internal development teams for better productivity and reuse of services.



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4.Composite API

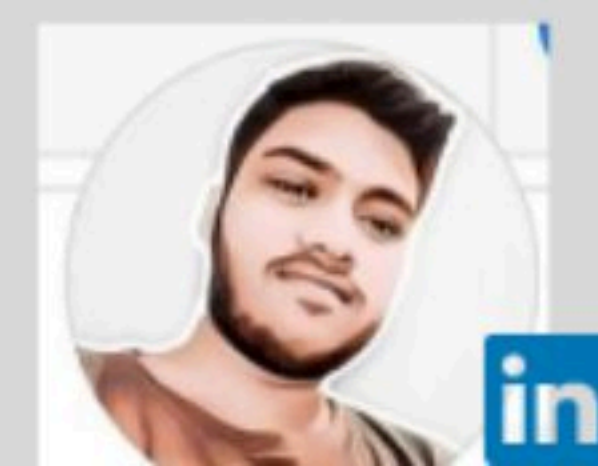
Composite APIs combine multiple APIs to address related or interdependent tasks. They often improve speed and performance compared with individual APIs.



API Management

API Management refers to the set of activities associated with publishing an API for use. Management makes it possible for users to find the API and its specifications and regulate access to it based on owner-defined permissions or policies.

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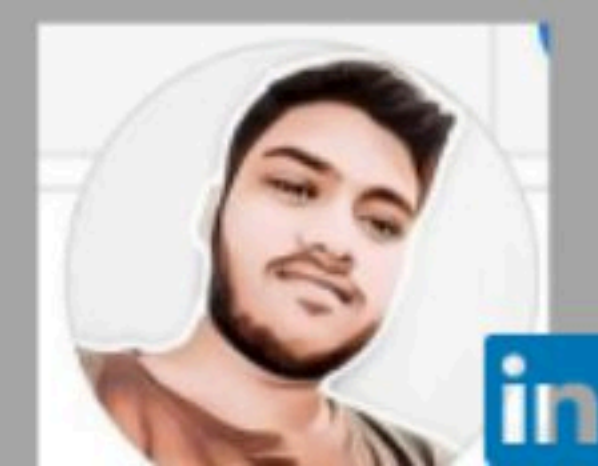


What are the benefits of using API?

APIs are a set of rules. They standardize how developers write application code, improving an organization's internal software development processes.

Using the same rules and formats streamlines code and makes it more transparent.

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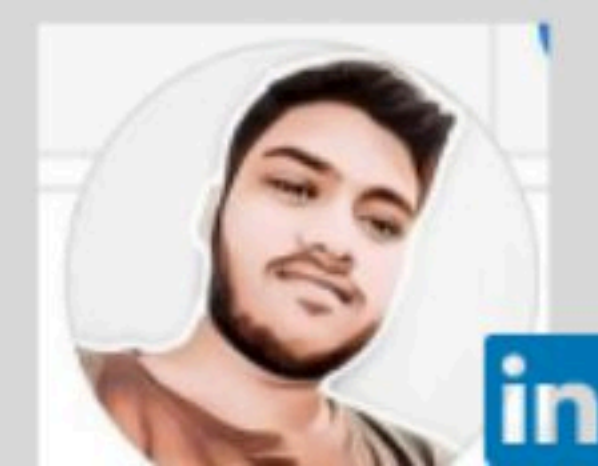


Why API important for business?

1. APIs have improved the quality and delivery of software and services. Custom software that was developed for a specific purpose is often written to reference APIs that provide features that are useful in a variety of contexts.

2. This reduces development time, cost and the risk of errors

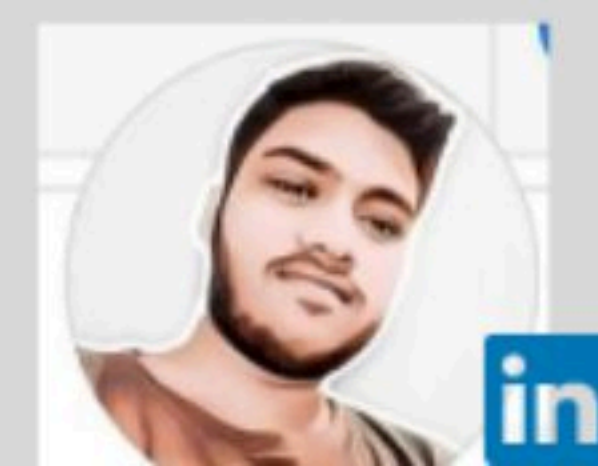
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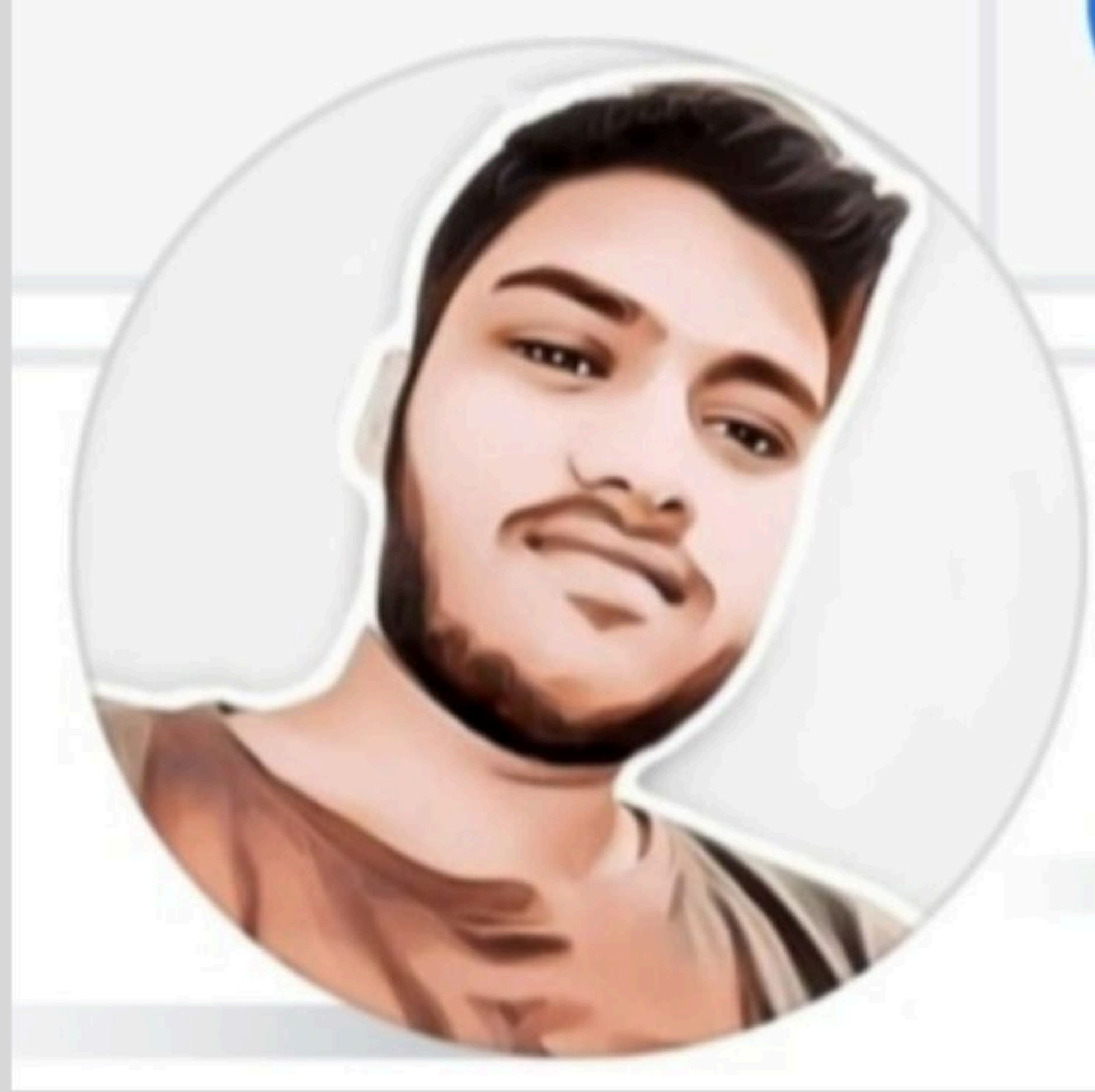


Why API important for business?

3. APIs add a digital layer through which a company's data and enterprise assets are presented with requisite governance and security. This approach enhances customer, employee and partner interactions
4. APIs also create new monetization opportunities for businesses, such as the productization of data with customized packages and plans for business partners.

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ON PROGRAMMING



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