



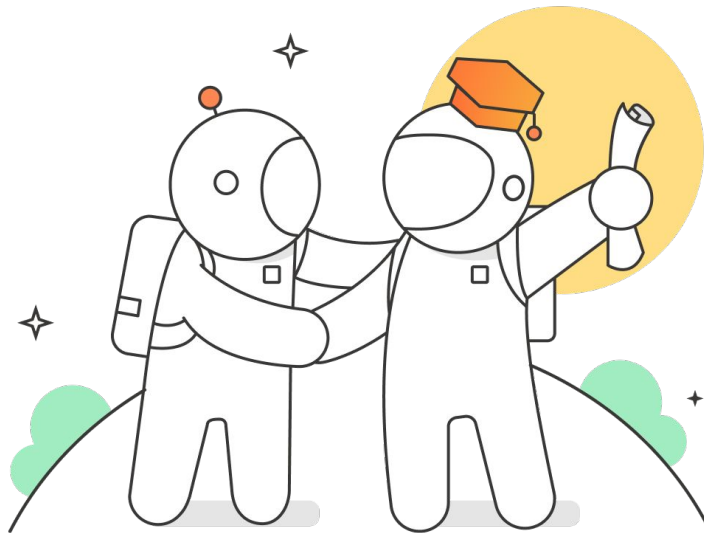
POSTMAN

Designing Good API Experiences



Arlemi Turpault

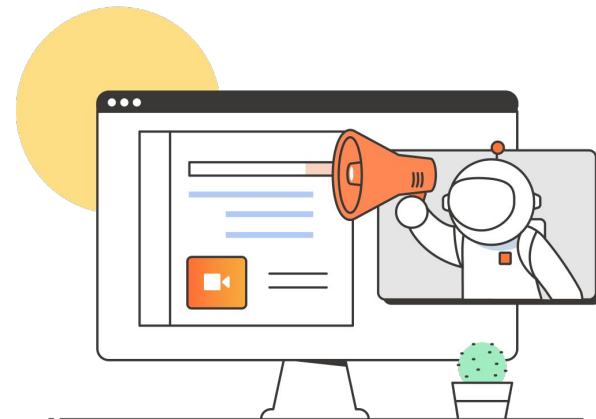
Developer Advocacy Lead





Agenda

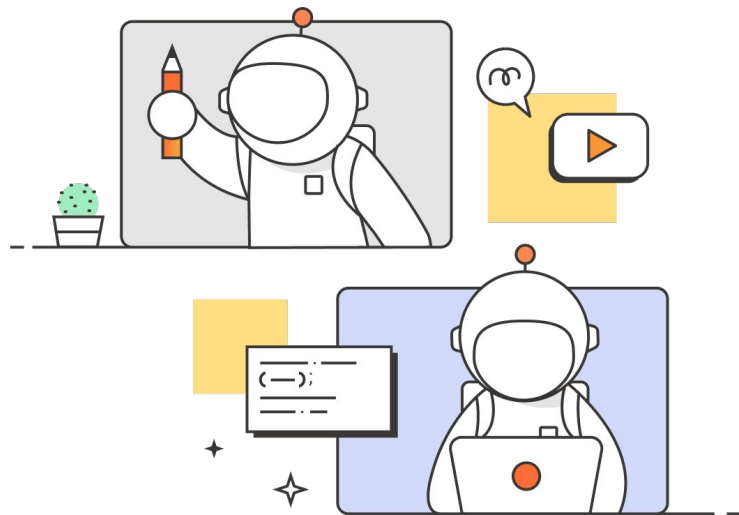
- 1 What is API-First
- 2 How to Design APIs
- 3 Importance of the Good API Experience
- 4 Better Practices - Live Demo





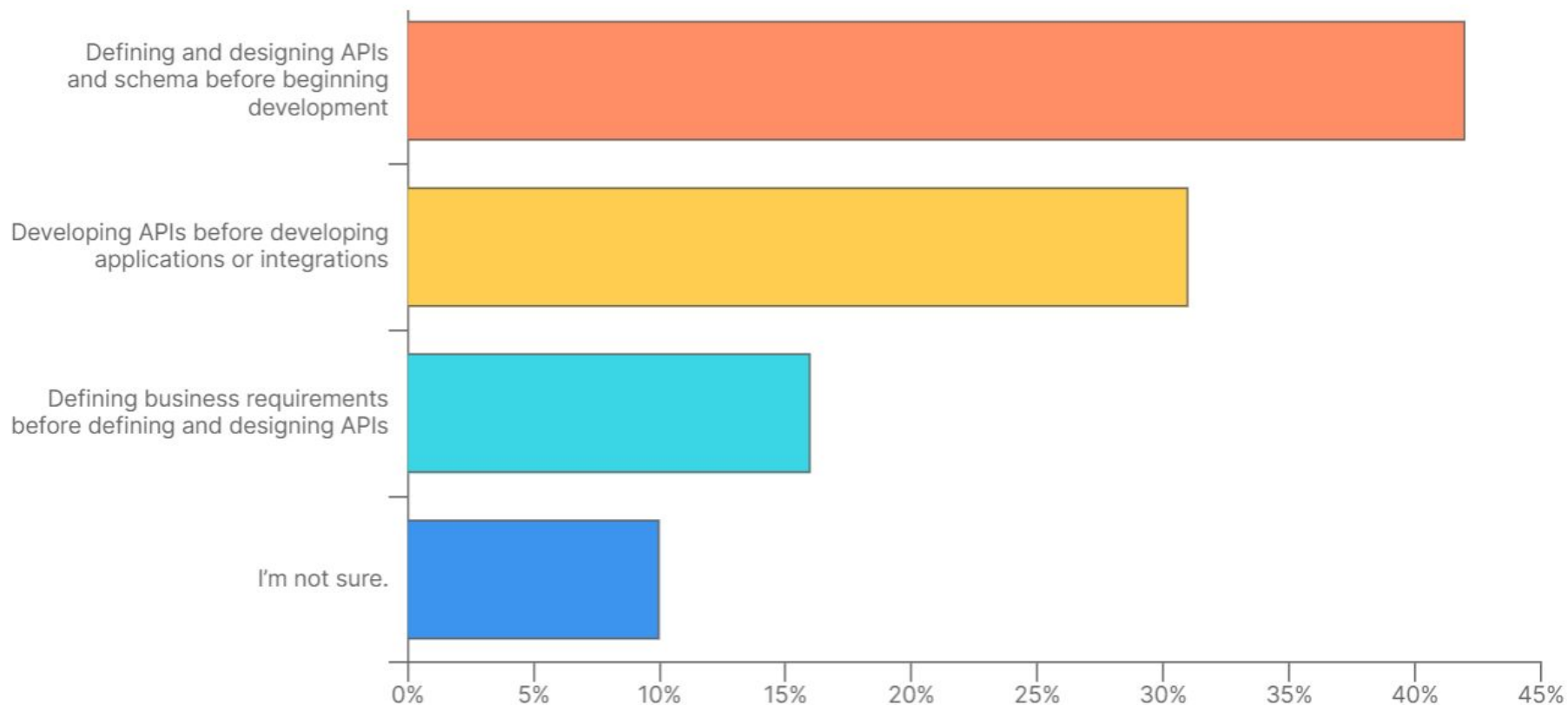
A little about you

- **How much experience do you have with API Design ?**
 - None
 - < 3 years
 - > 3 years
- **How much experience do you have with REST APIs ?**
 - None
 - < 3 years
 - > 3 years



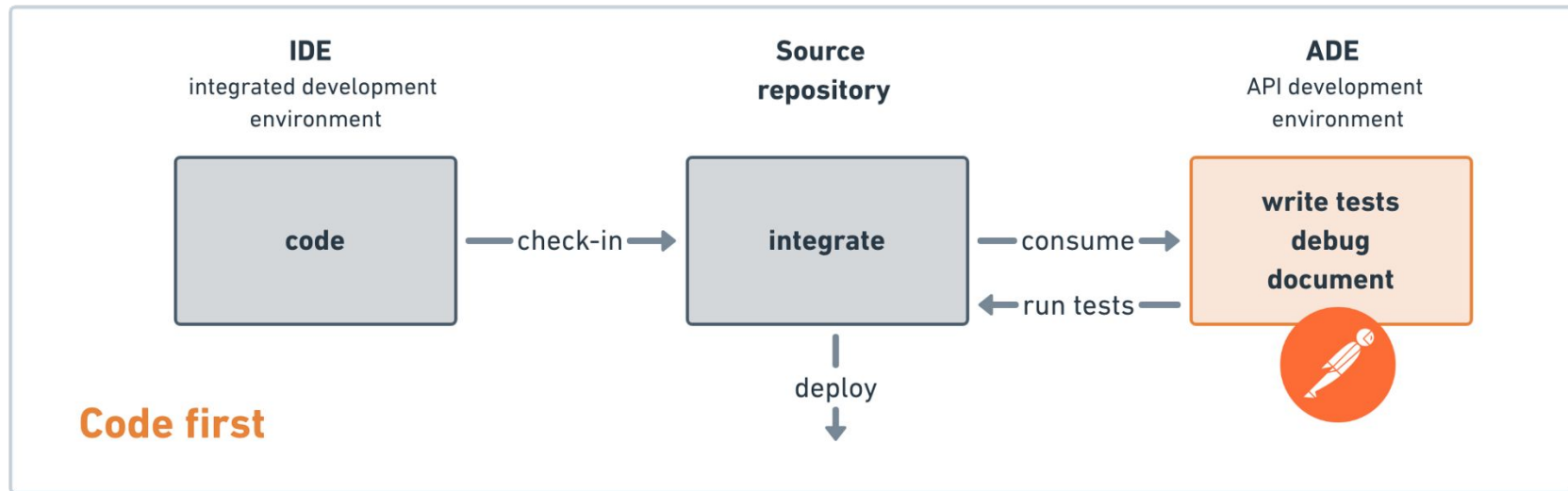
The background is a light gray space-themed illustration. It features several small white dots representing stars, four-pointed star symbols, and two comet-like streaks. In the top-left corner, there is a large gray circle representing a planet. In the bottom-right corner, there is a large light gray circle representing another planet. In the top-right corner, there is a small orange circle containing a white icon of a pen or pencil.

What does **API-First** mean?

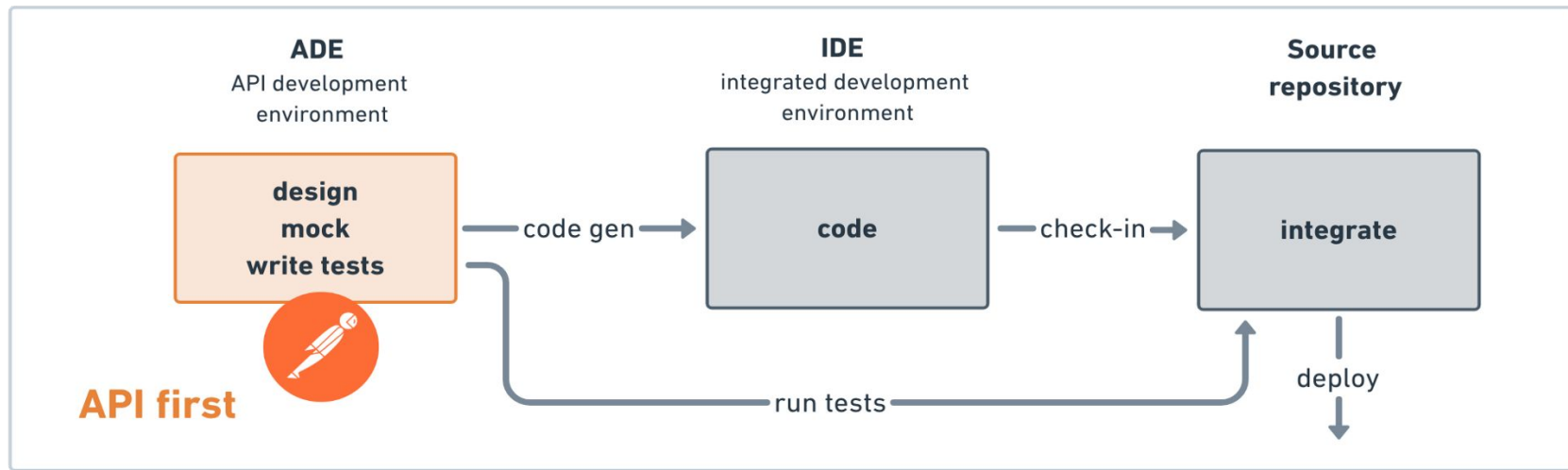


Due to rounding, percentages may not add up to 100%.

What is API-First?



What is API-First?



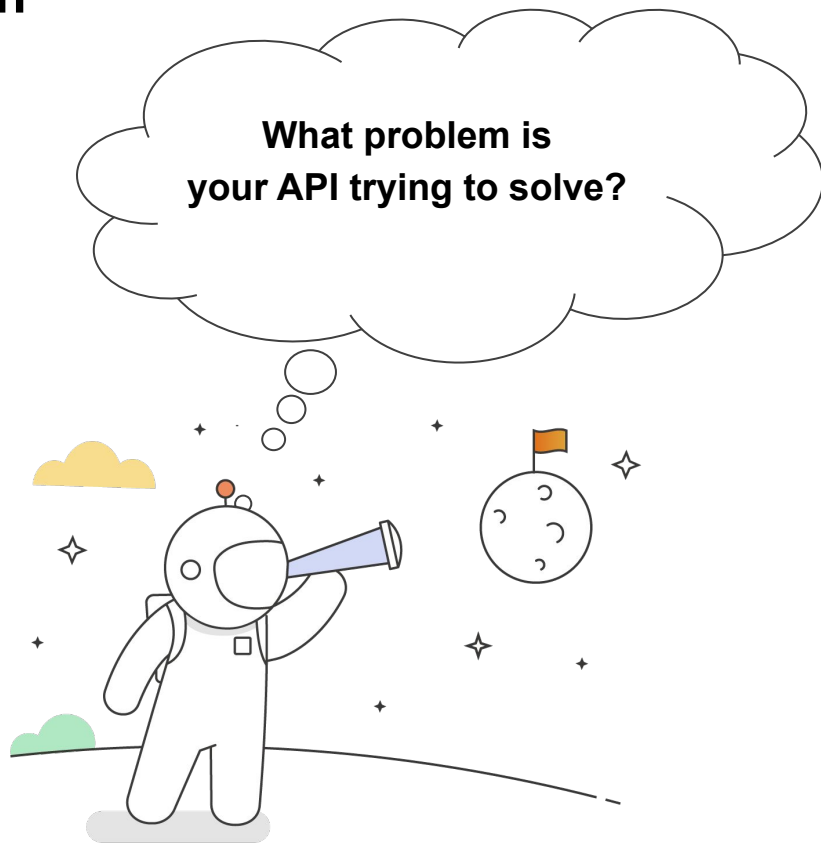
The background is a light gray gradient. It is decorated with various celestial elements: several small white dots representing stars, four-pointed star symbols, and two stylized comets with long tails. In the top-left corner, there is a large, light gray circular shape representing a planet. In the bottom-right corner, there is a large, light gray circular shape representing another planet. In the top-right corner, there is a small orange circle containing a white icon of a pen or pencil.

How to design APIs



8 traits of an effective API-first design

- ✦ Alignment with an organization's goals
- ✦ Reusability
- ✦ Interoperability
- ✦ The ability to evolve
- ✦ User-friendliness
- ✦ Security
- ✦ Efficiency
- ✦ Pragmatism



The background is a light gray gradient. It is decorated with various celestial elements: small white dots representing stars, four-pointed star symbols, and a few comet-like streaks. In the top right corner, there is a red circular icon containing a white stylized pen or pencil. In the bottom right corner, there is a large, light gray circular shape representing a planet or moon. The title text is centered in the middle of the slide.

The Importance of a Good API Experience



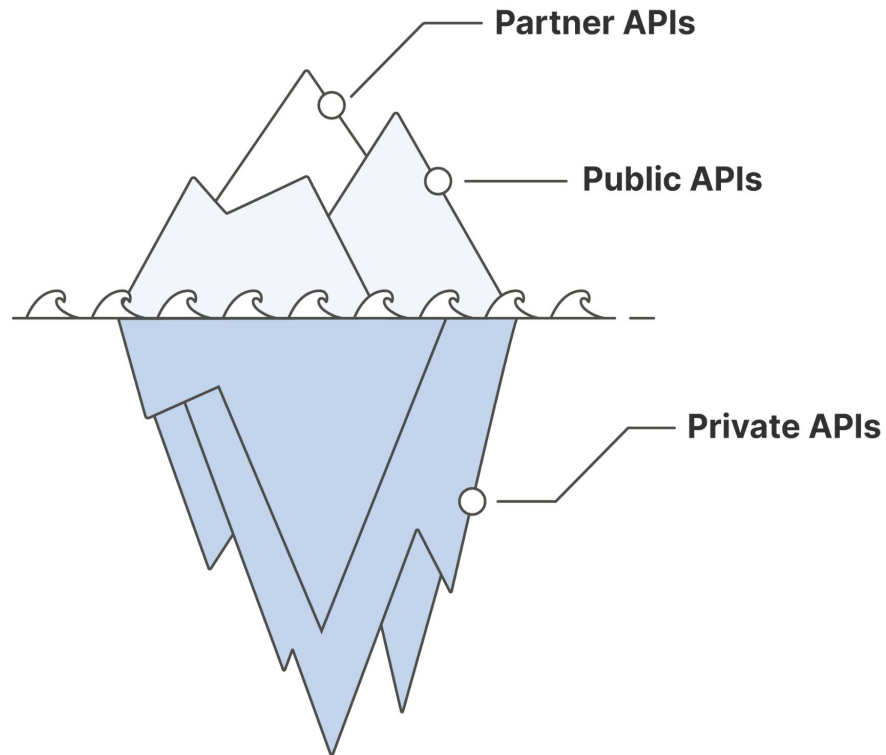
The Impact of the API Experience

Good API experience

- Usability & Reusability
- Time to value
- Create APIs will evolve smoothly
- Less risk of introducing breaking change

Bad API experience

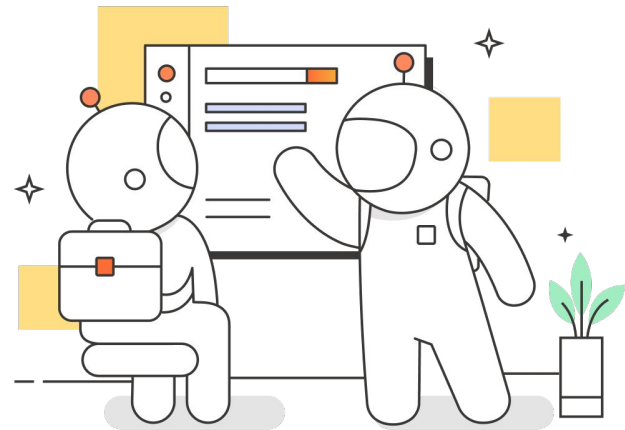
- Costly
- Decreased Productivity both Consumer & Producer
- Takes longer time for integration
- Leads to shift delivery dates





Better Practices and Usual Concerns for Good API Design

- Naming
- Data Modeling
- Required/ Not Required
- Error handling
- Documentation
- Consistency



The background is a light gray space-themed illustration. It features several small white dots representing stars, four-pointed star symbols, and two comet-like streaks. In the top-left corner, there is a partial view of a large gray planet. In the bottom-right corner, there is a large, solid gray planet. A small red circular icon with a white pen or pencil symbol is located in the top-right corner.

OpenAPI Example



Additional Resources

Postman Intergalactic

postman.com/events/intergalactic/



30 Days of Postman for Developers

postman.com/postman/workspace/30-days-of-postman-for-developers/



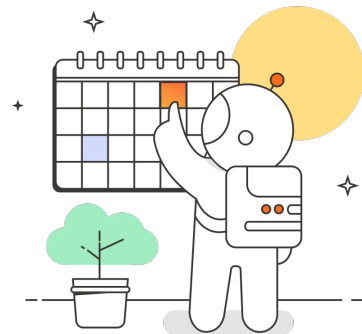
Community Forum

community.postman.com



Postman Learning

learning.postman.com/





Thank You

