

A top-down view of a person with dark curly hair, wearing a blue denim shirt, sitting at a rustic wooden desk. They are typing on a silver laptop. To the left of the laptop is a grey notebook with a blue pen resting on it. To the right is a white smartphone and a small blue mug filled with coffee. The background is a dark wooden wall.

# API testing

**LogMeIn**<sup>®</sup>  
Be Limitless.

# What is an API ?

- History and why ?
- Protocols
  - Usually Http



# HTTP 101

- Text based
- Over TCP
- Demo: check http in fiddler
  - Tools to view http traffic: browser built in / fiddler



# Api

- Task oriented
  - Web services
- State oriented
  - Representational State Transfer



# API Data transmission

- query string
- headers
- body

A hiker with a backpack is climbing a rocky trail at sunset. The sky is a warm orange color, and the hiker is wearing a light-colored jacket and dark pants. The word "Authorization" is written in large white letters over the image.

# Authorization

- Authorization header:
  - http basic auth
  - Bearer token ( OAuth2, OpenIdConnect )





# API protocols and formats

- Content-type
- SOAP
- JSON / REST
  - GET, POST, PUT, PATCH, DELETE

# Thank You

