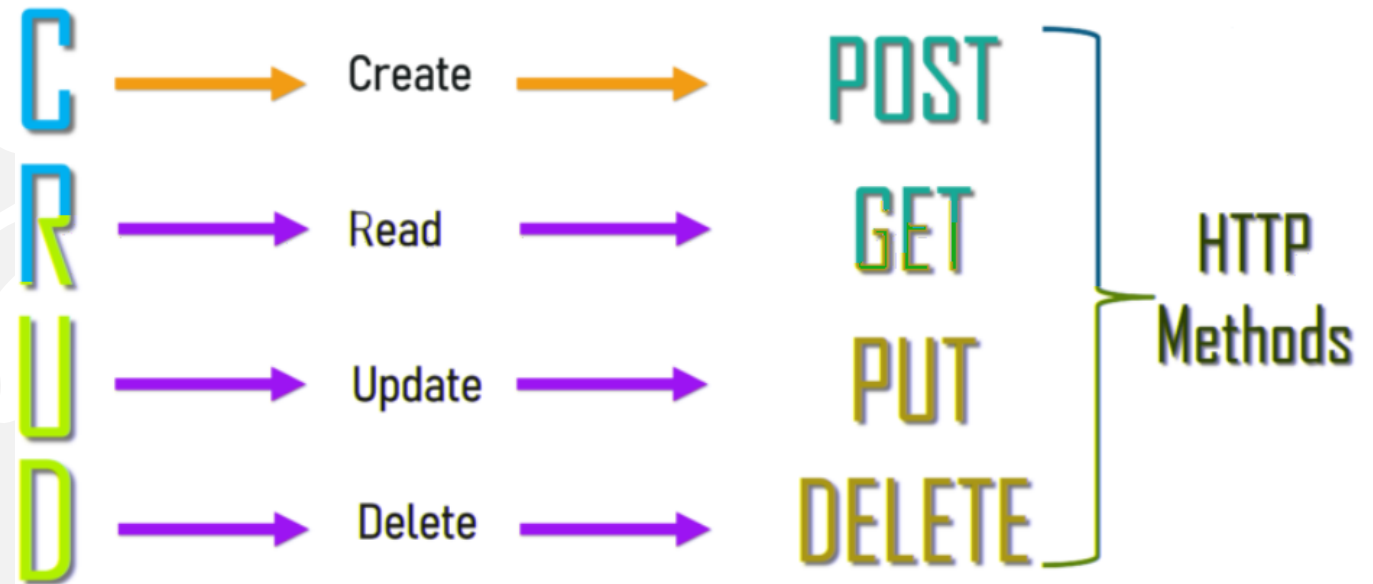


~Prerak Gada (<https://prerakgada.in>)

~Jamil Shaikh (<https://devjam-portfolio.vercel.app/>)

HTTP Methods

- GET - retrieve information.
- POST - submit resource to the server.
- PUT - update an existing resource or create a new one if it doesn't exist.
- DELETE - removal of a resource.
- HEAD, PATCH, OPTIONS.



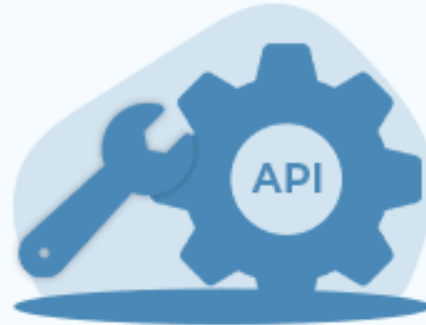
End User with
Browser



Request
Response



API



Server Back-end
System



Make the
Order
Delivery of
order



Waiter

Take the
Order
Bringing
from Kitchen



Chef



REST Principles



Resources as Objects

Use of HTTP Methods

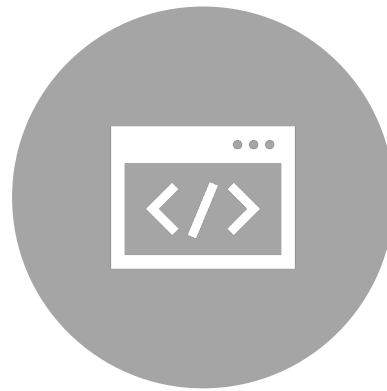
Stateless

Uniform Interface

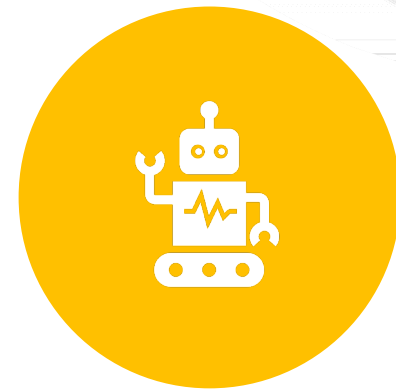
Benefits of RESTful APIs



SIMPLICITY



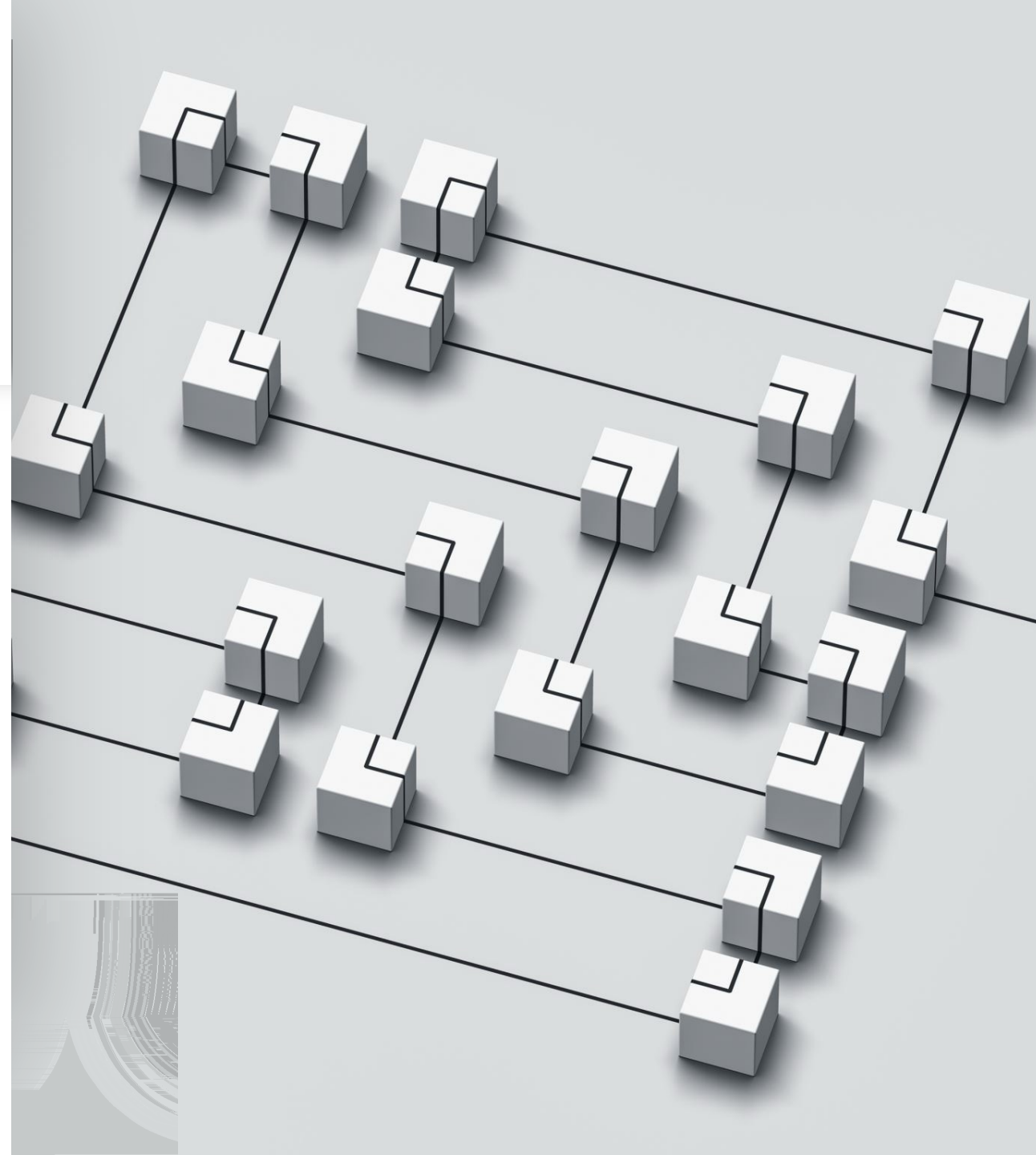
SCALABILITY



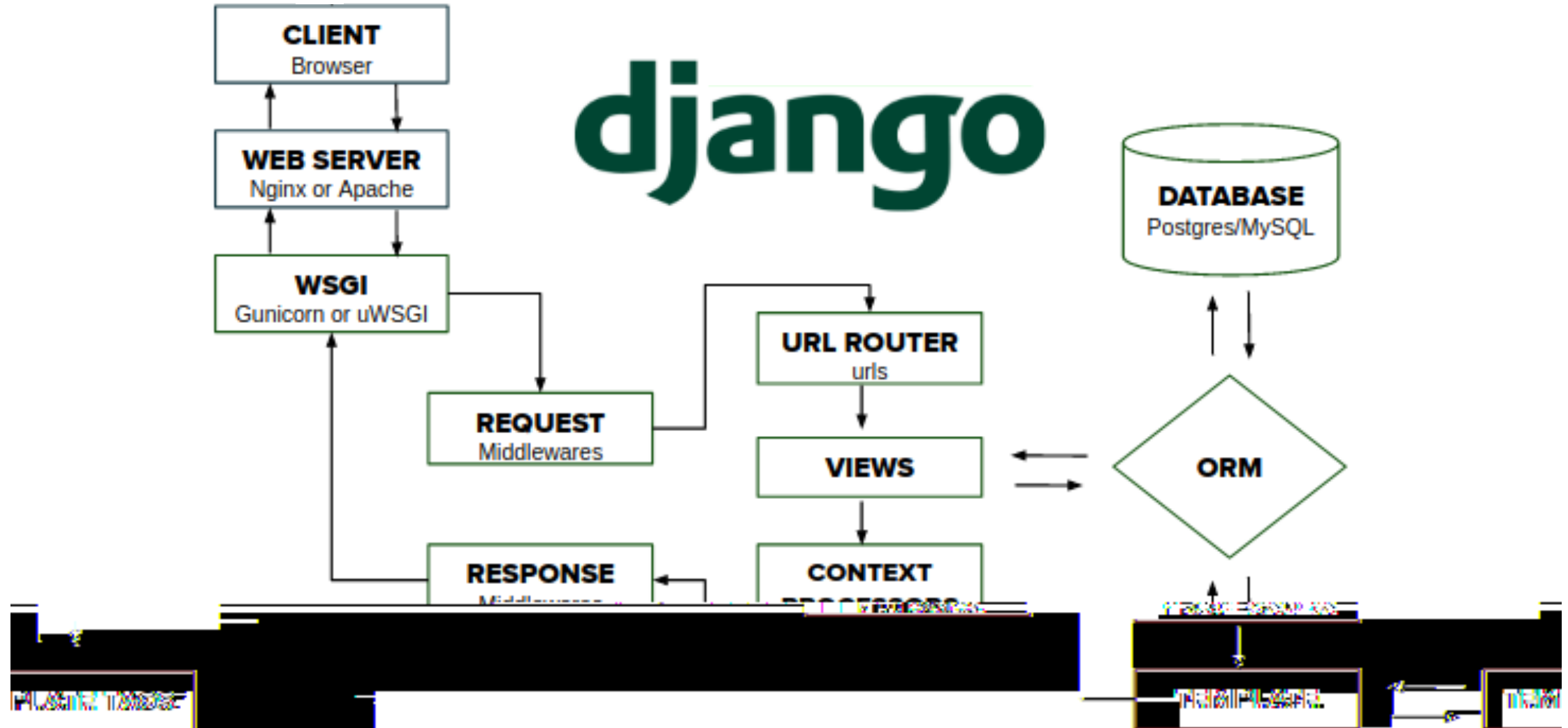
WIDESPREAD
ADOPTION.

Django Framework

- Introduction to Django – A Python framework for backend development.
- Why Django for API Development – a widely accepted framework
- Requirements -
 - Setting Up Your Development Environment
 - Creating a New Django Project
 - Creating a Django App

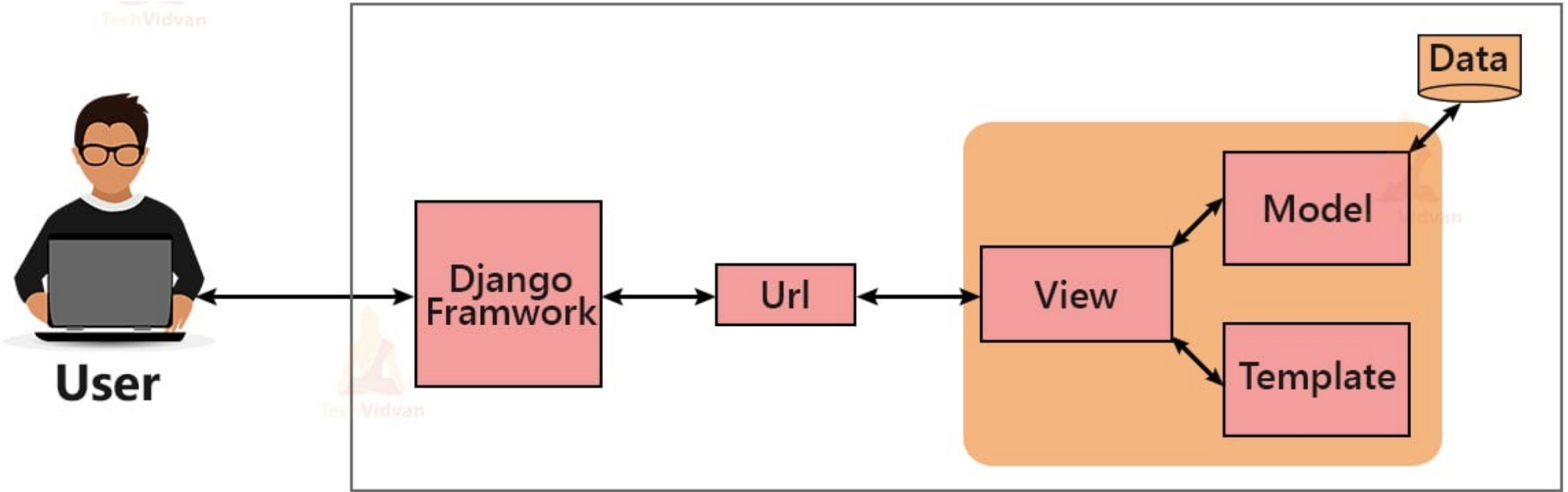


django



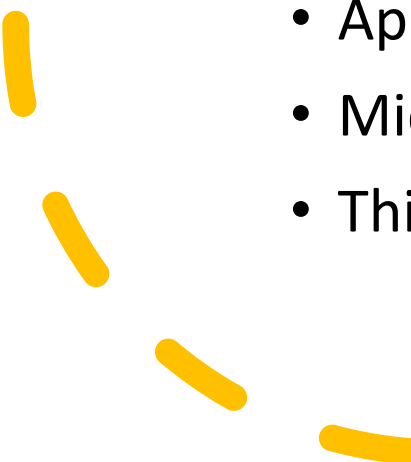
ngo

request-response lifecycle in Dja





Modularity (MVT)

- Model: Separate models for data, encourages reusability.
 - View: Modular business logic in functions or classes.
 - Template: Reusable components for user interface.
 - URL Configuration: Modular routing for views.
 - Apps: Self-contained, reusable components.
 - Middleware: Reusable global request/response processing.
 - Third-Party Packages: Extensible, modular functionality.
- 



- A versatile API client for testing and documentation.
- Send Requests: Various HTTP methods for interacting with APIs.
- Request Customization: Set parameters, headers, and request bodies.
- Response Inspection: Easily examine responses, including status codes and data.
- Collections: Organize requests efficiently into collections.
- Environment Variables: Dynamic and variable-driven testing.



Let's Jump

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Best Practices

- Versioning your API.
- Authentication and Authorization
- Rate limiting
- Pagination and chunks of data
- Documentation for you APIs
- Error handling
- Testing your APIs

Further Learnings



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Documentations.

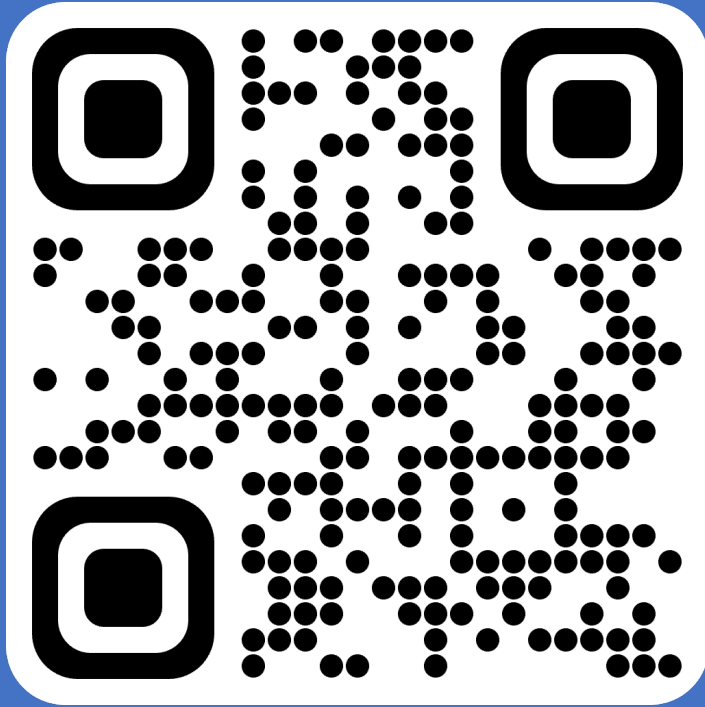


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Thank You

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~ Jamil Shaikh - <https://www.linkedin.com/in/jamil-shaikh-08b0b1158>