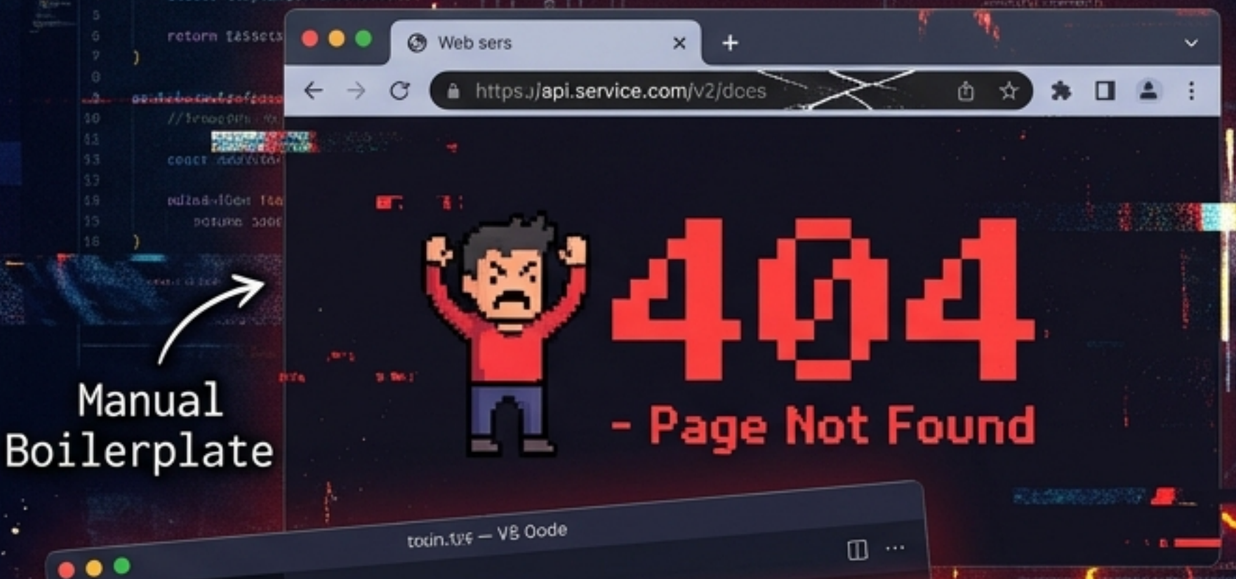
Transform Unstructured Docs into Production-Ready SDKs in Under 60 Seconds

A **dual-AI powered** generator that bridges the gap between **documentation** and **integration.**

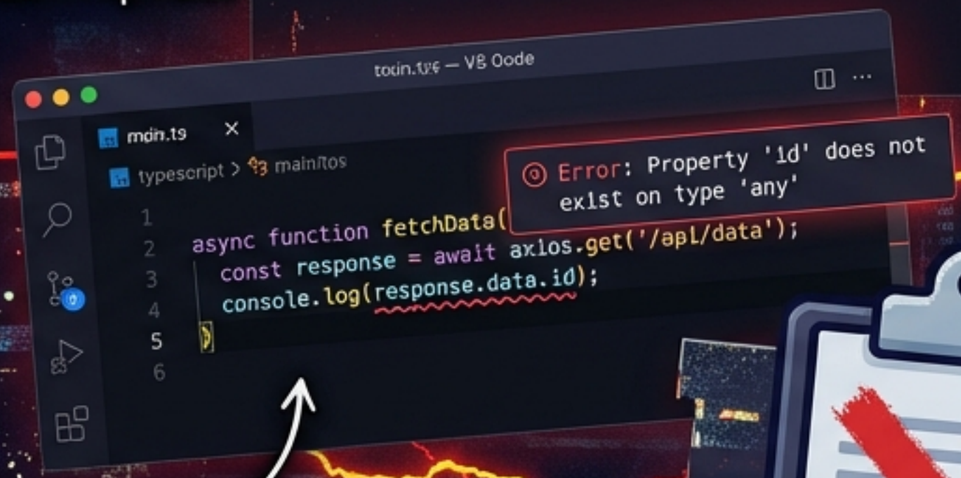
< 60 Seconds

MANUAL INTEGRATION IS THE BOTTLENECK OF MODERN DEVELOPMENT

The current workflow is broken. Developers waste hours writing boilerplate wrappers, deciphering inconsistent documentation, and debugging `any` types.



Manual Boilerplate



Inconsistent Types

Tedious Maintenance

Automating the Path from Reference to Request

The API SDK Generator uses advanced LLMs to parse, validate, and convert documentation into fully typed TypeScript clients. It prioritizes structure and type safety over simple text generation.

Smart Analysis

Distinguishes between setup guides and actual API references.

Dual AI Power

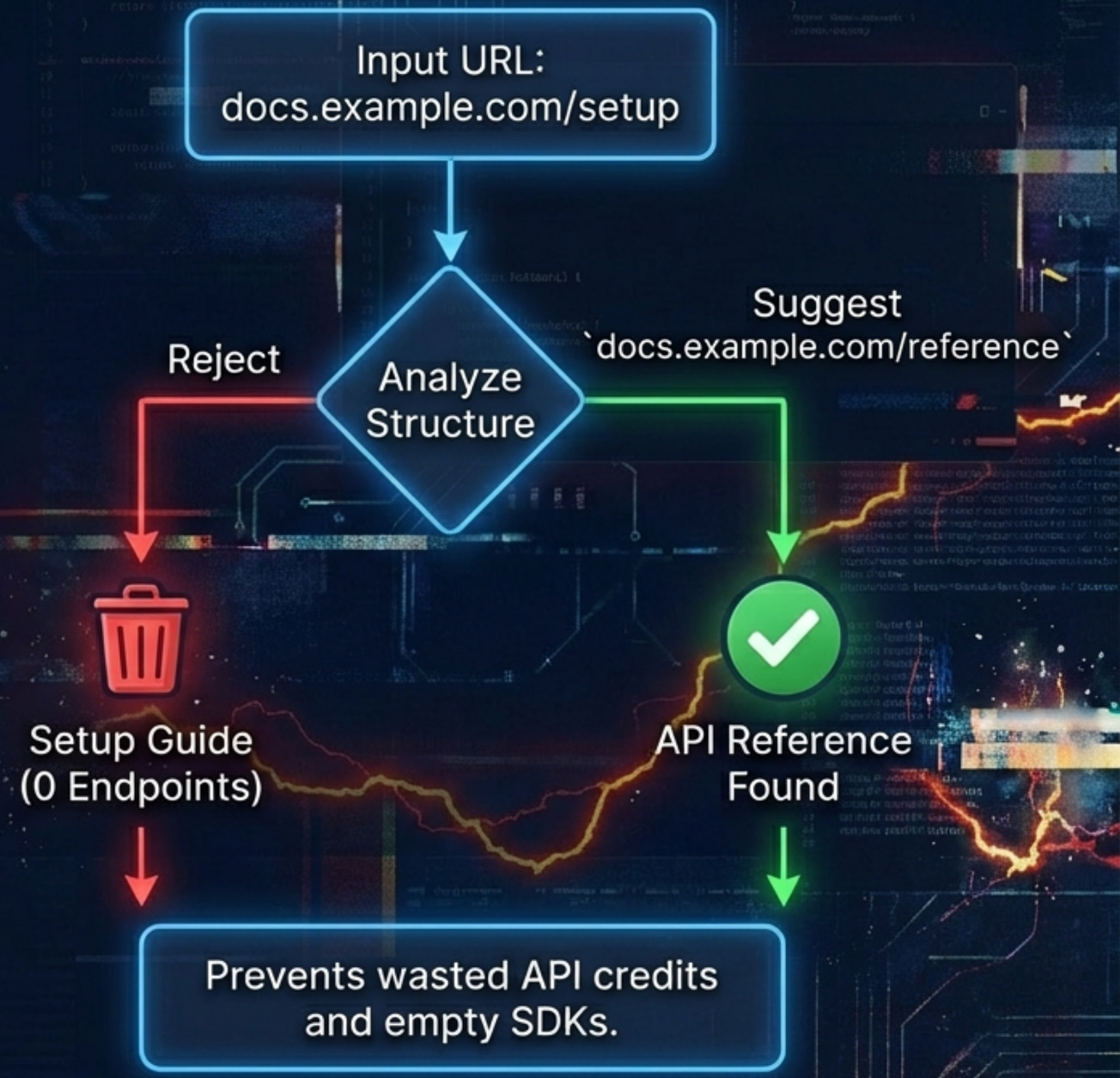
Flexible intelligence using OpenAI or Google Gemini.

Production Ready

Outputs code with built-in retries and rate limiting.

Intelligent Parsing Precedes Extraction

Blind extraction leads to garbage code. The system analyzes documentation structure *before* processing to identify useful endpoints versus irrelevant context.



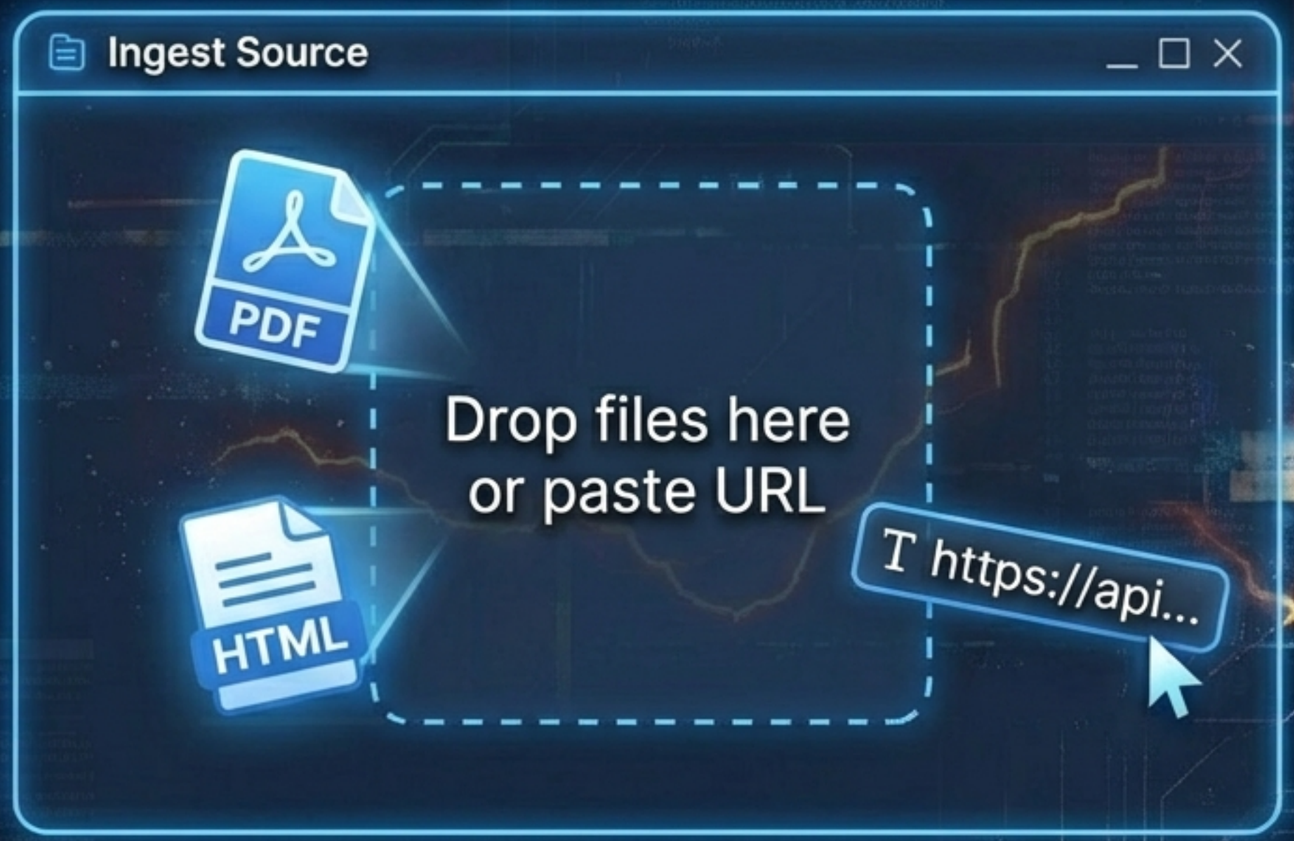
Flexible Intelligence Engines

Choose the backend that fits your infrastructure. The generator supports top-tier models for optimal context understanding and code generation accuracy. Users supply their own API keys for full control.

Workflow Step 1: Universal Input Handling

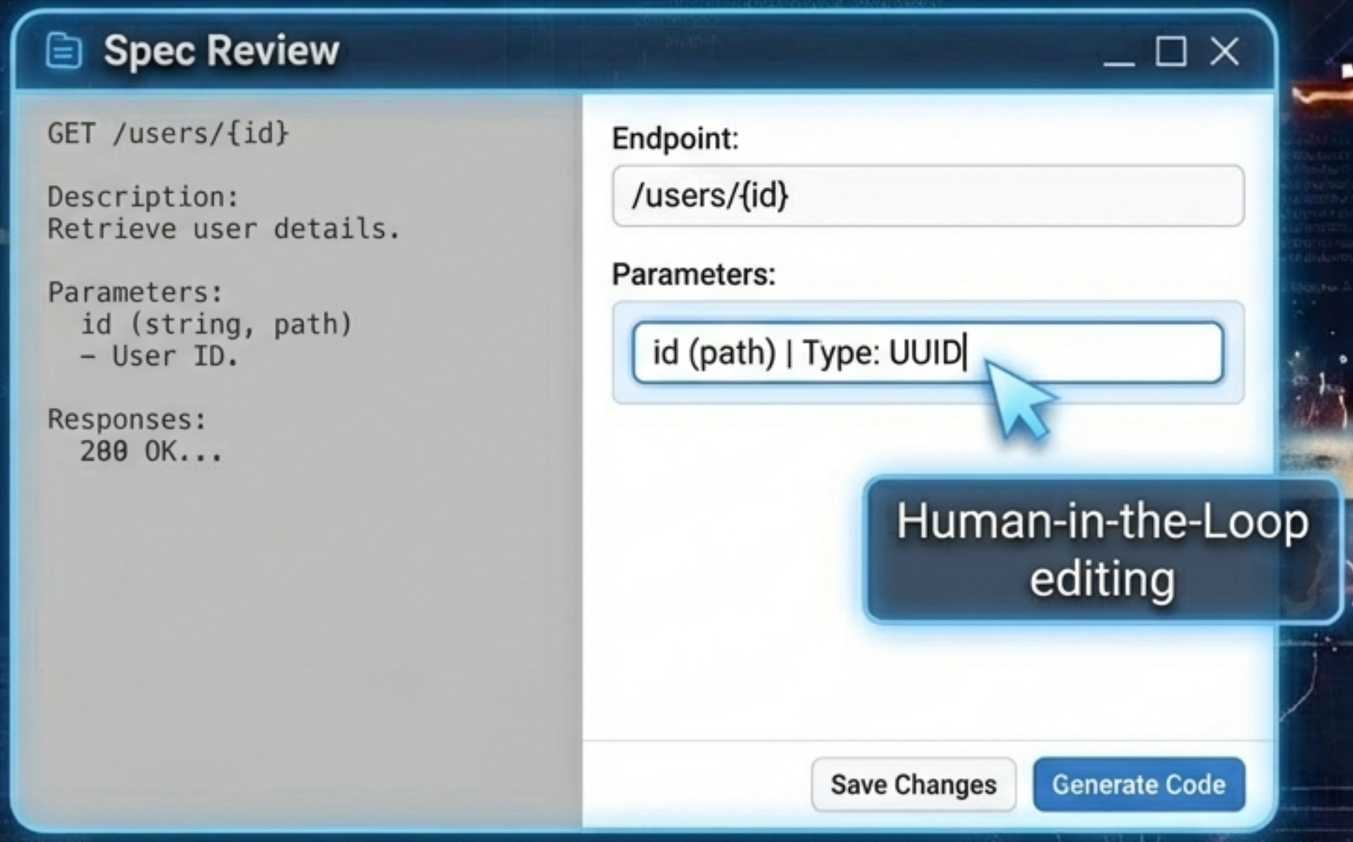
Whether your documentation is a live URL, a legacy PDF, or raw text, the system normalizes the input for processing.

- URL / Webpages
- PDF Documents
- HTML Files
- Plain Text



You Control the Specification

Between analysis and generation, you remain in the driver's seat. The Interactive Review phase allows you to verify, edit, and refine the extracted API specifications before a single line of code is written.

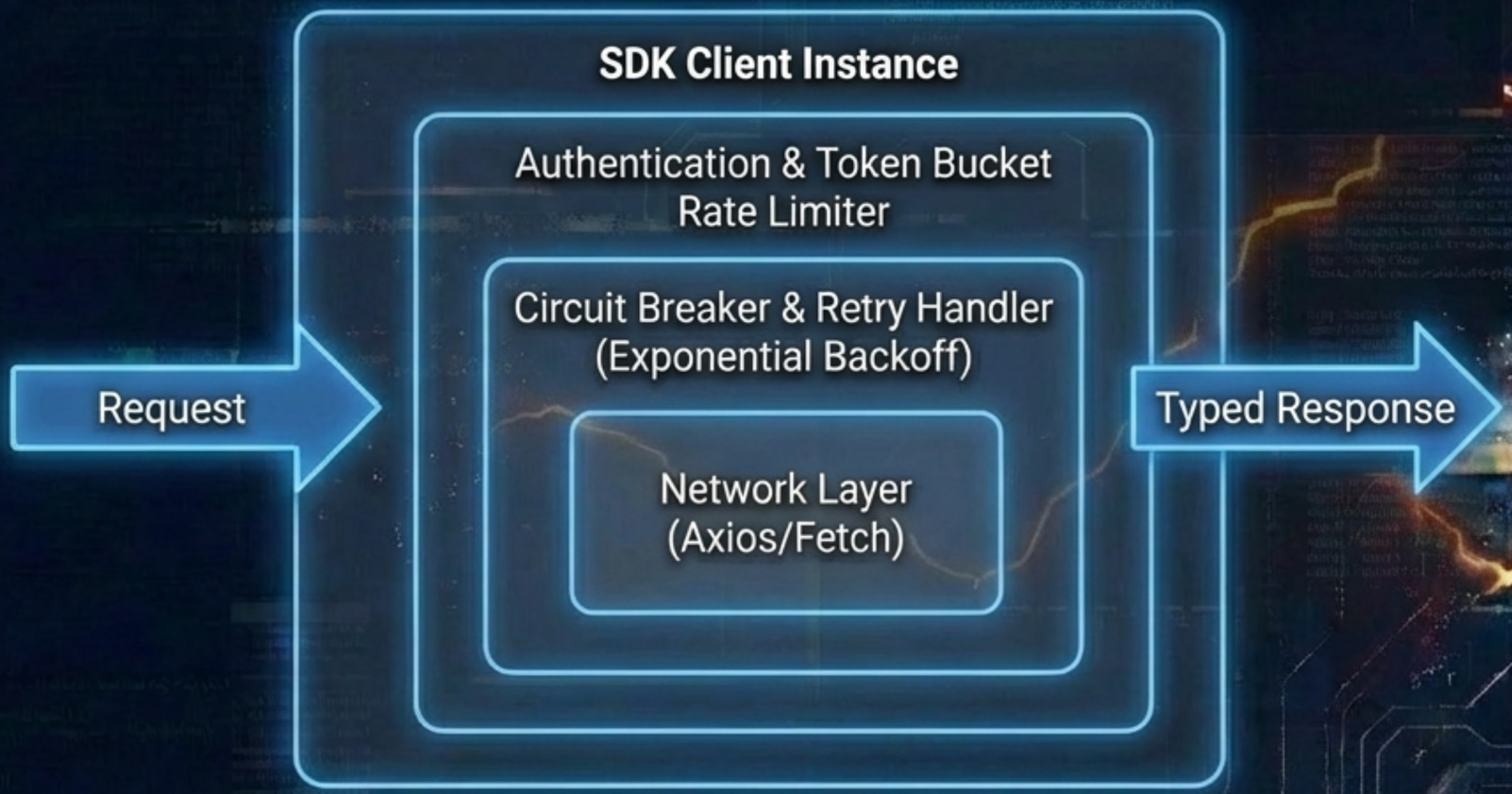


Tailored to Your Infrastructure

Configure the behavior of your SDK to match your network requirements and package standards.

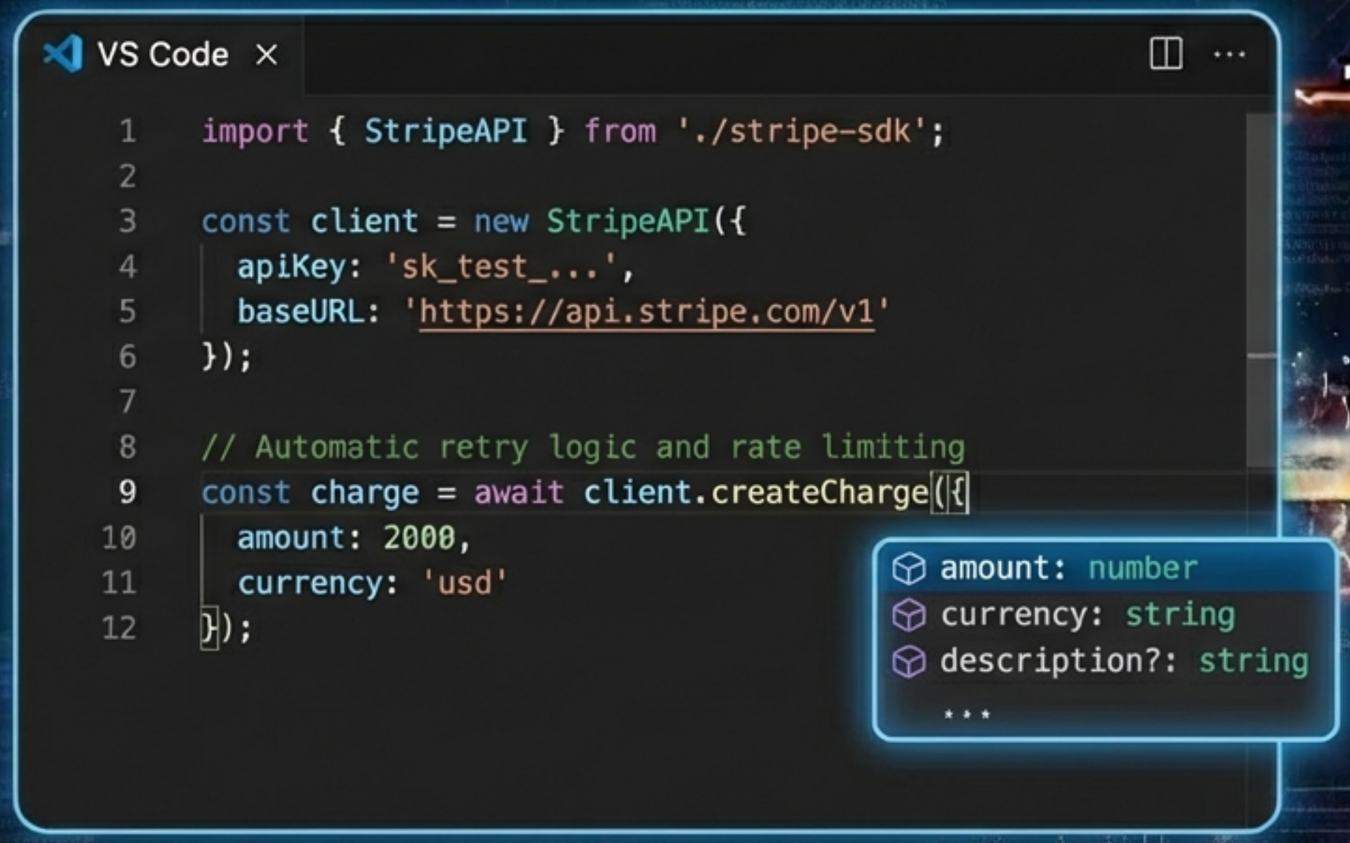
A Robust Network Client, Not Just a Fetch Wrapper

The generated TypeScript SDK comes pre-packaged with advanced network reliability features, saving you from implementing them manually.



Native TypeScript Support & IntelliSense

Generated code is strictly typed. IDEs immediately recognize request/response structures, providing autocomplete and catching errors at compile time.



Security by Design

The generator operates with a ‘zero-persistence’ philosophy regarding credentials.

- Session-Only Storage: Keys never save to disk

- Log Redaction: Sensitive data scrubbed

- HTTPS-Only Communication

Built on a Modern Python Stack

Leveraging reliable open-source frameworks for stability and ease of extension.

Frontend (UI)

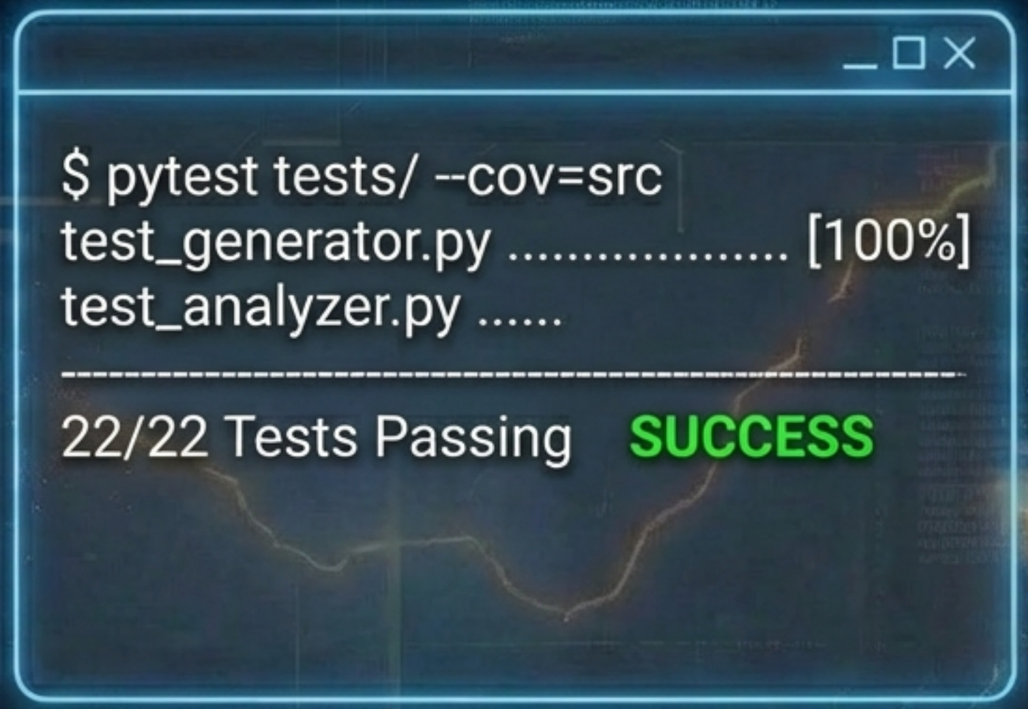
Backend (3.8+)

Data Validation

Code Templating

Verified Quality Assurance

The generator isn’t experimental—it’s tested. The repository includes comprehensive test coverage for the generation logic.



Up and Running in Three Commands

Requires Python 3.8+ and an API Key.

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```
# 1. Clone the repository
git clone https://github.com/adi-7192/api-sdk-generator.git

# 2. Install dependencies
pip install -r requirements.txt

# 3. Launch the application
streamlit run app.py
```

Open Source and Ready for Contribution

Released under the MIT License. Join the community to refine the future of API integration.

Star the Repository

https://github.com/adi-7192/api-sdk-generator

Fork → Branch → Pull Request