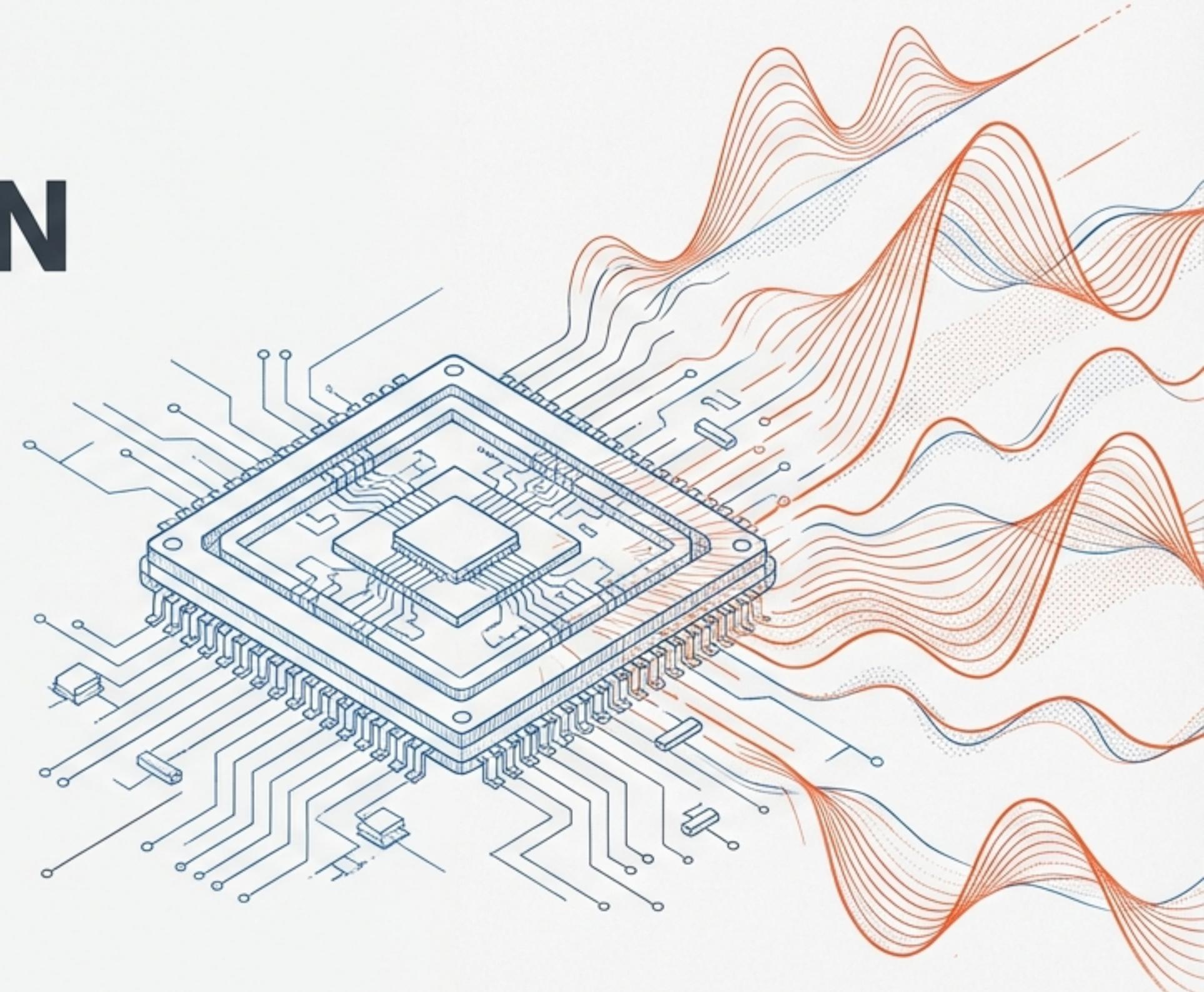


BUILD YOUR OWN PYTHON VOICE ASSISTANT

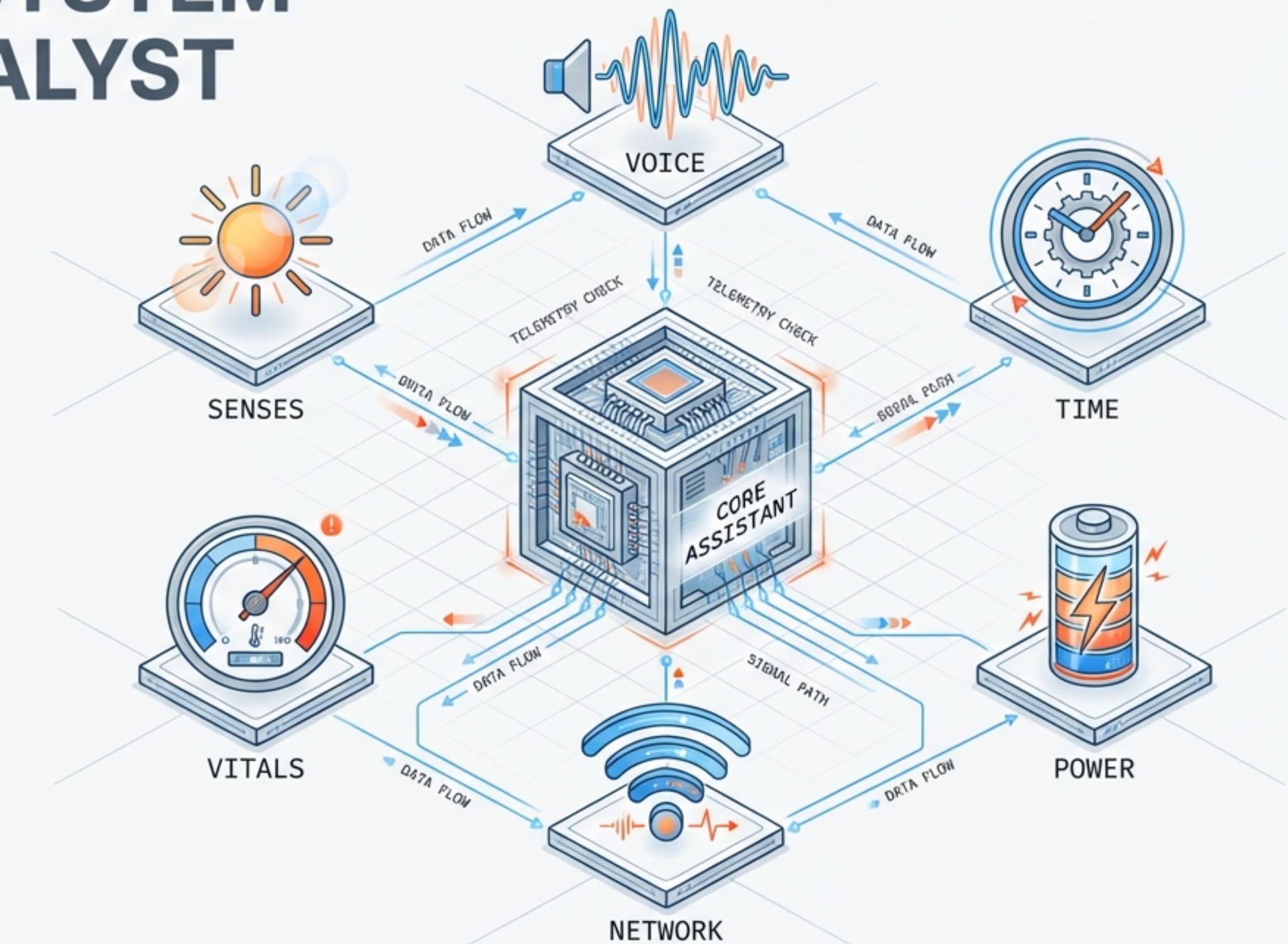
A step-by-step blueprint for engineering
a Windows system startup report



PROJECT: SYSTEM_STARTUP_V1 // STATUS: INITIATED

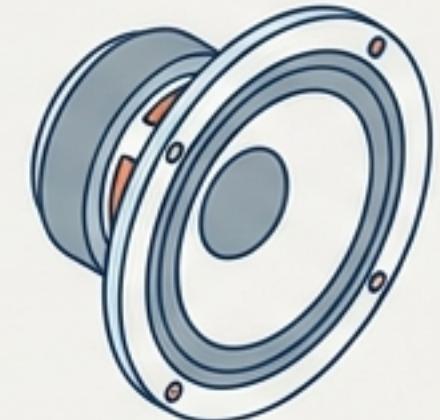
THE VISION: SYSTEM STARTUP ANALYST

We are engineering a digital lifeform. This script runs automatically on boot, checking critical telemetry and delivering a verbal report before you even touch the keyboard.



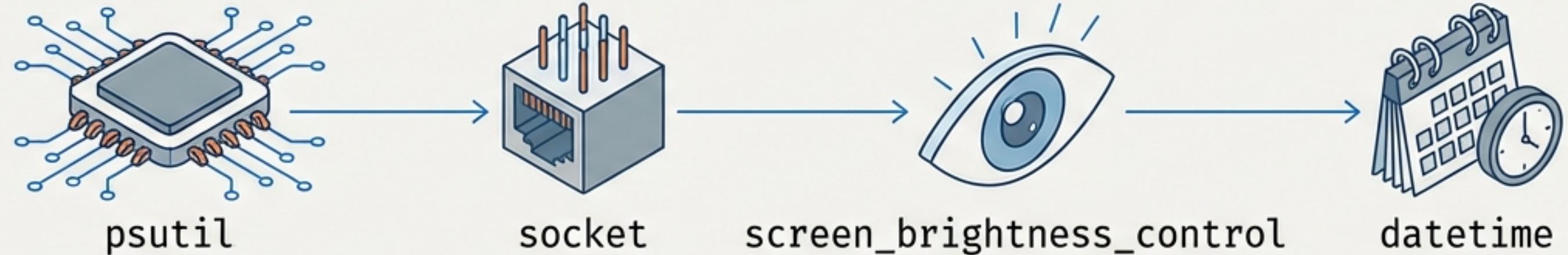
THE TOOLKIT: ANATOMY OF THE CODE

THE VOICE

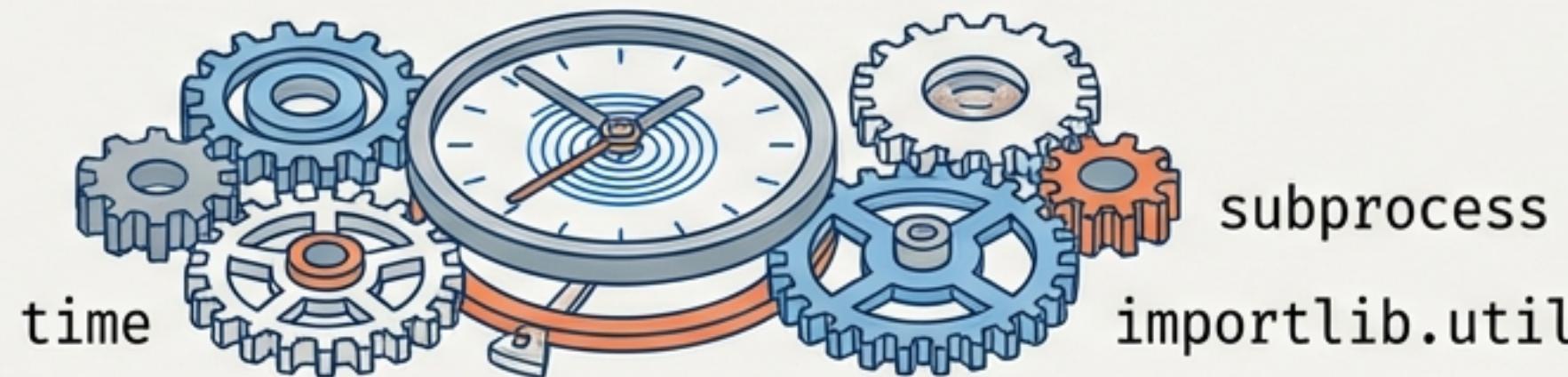


pyttsx3

THE SENSES



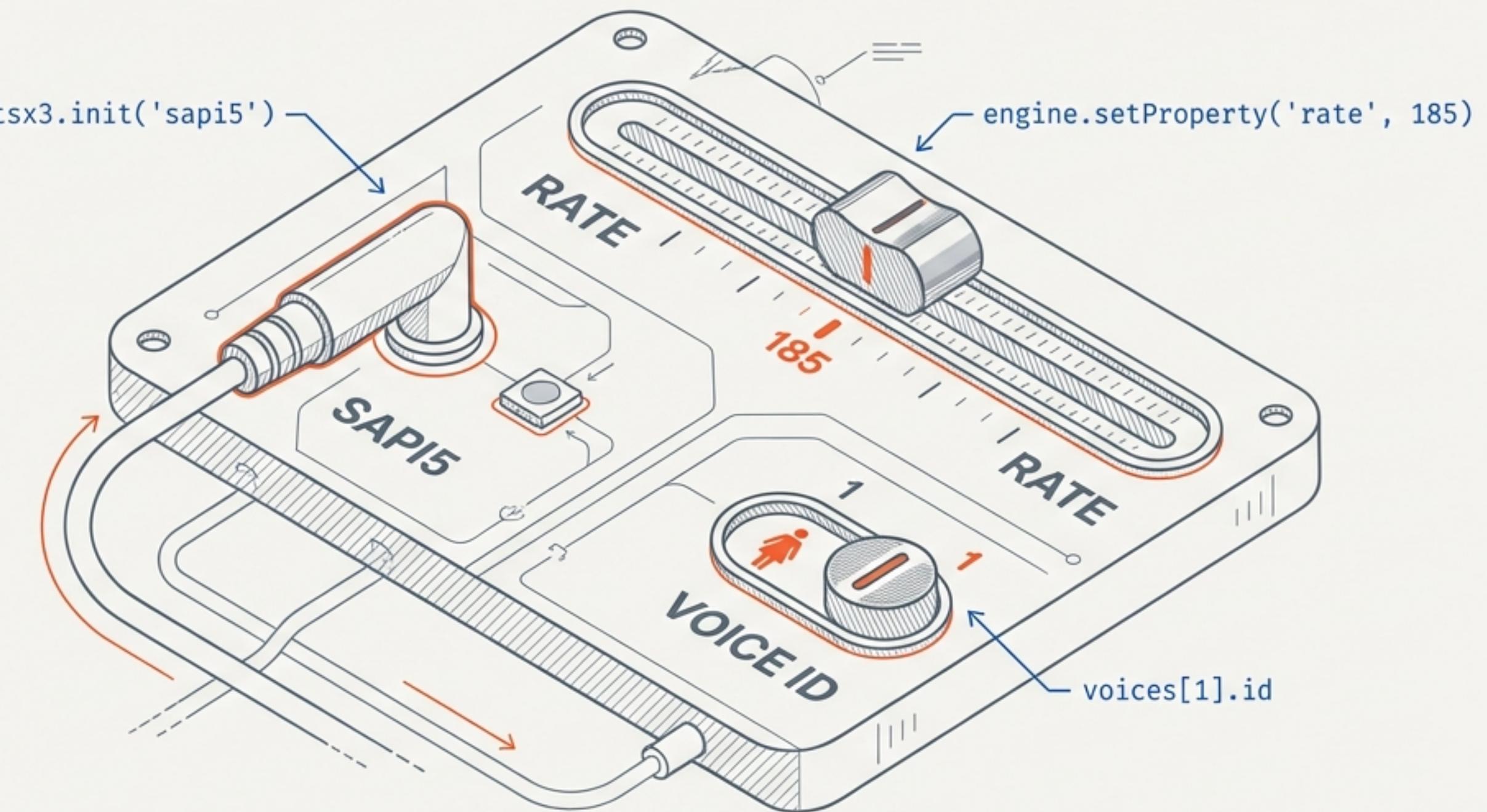
THE ENGINE



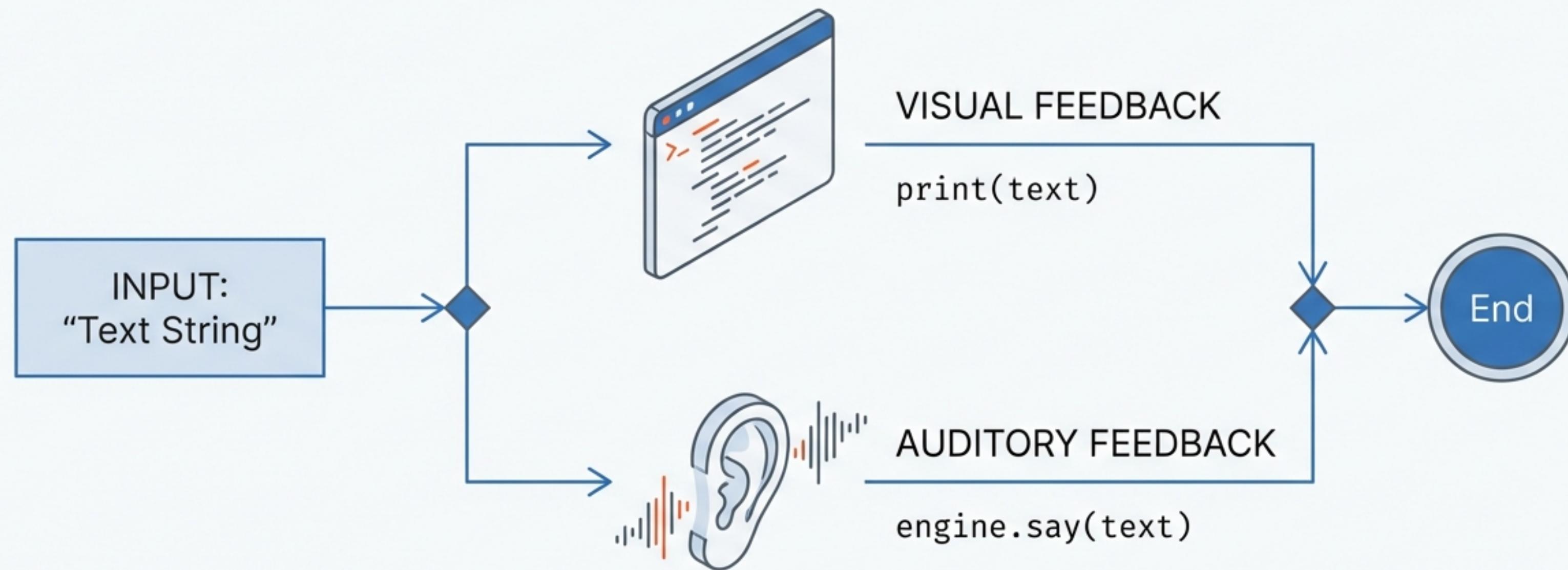
External libraries provide the sensory organs; Python provides the nervous system.

GIVING IT A VOICE

Initialization of the Microsoft Speech API (SAPI5) serves as the vocal cords. We tune the pitch and speed to create a conversational persona.

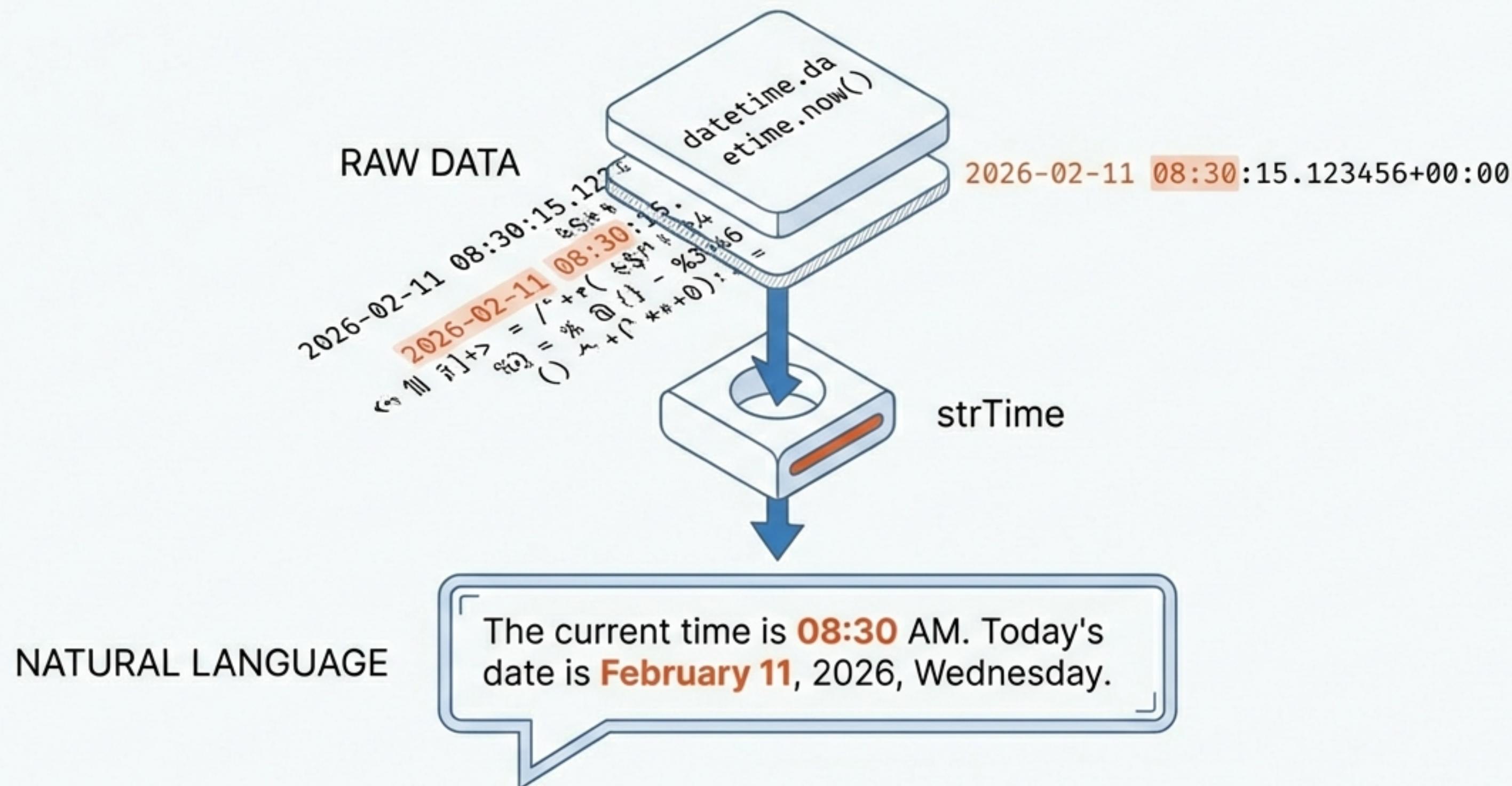


THE INTERFACE: THE SPEAK() FUNCTION

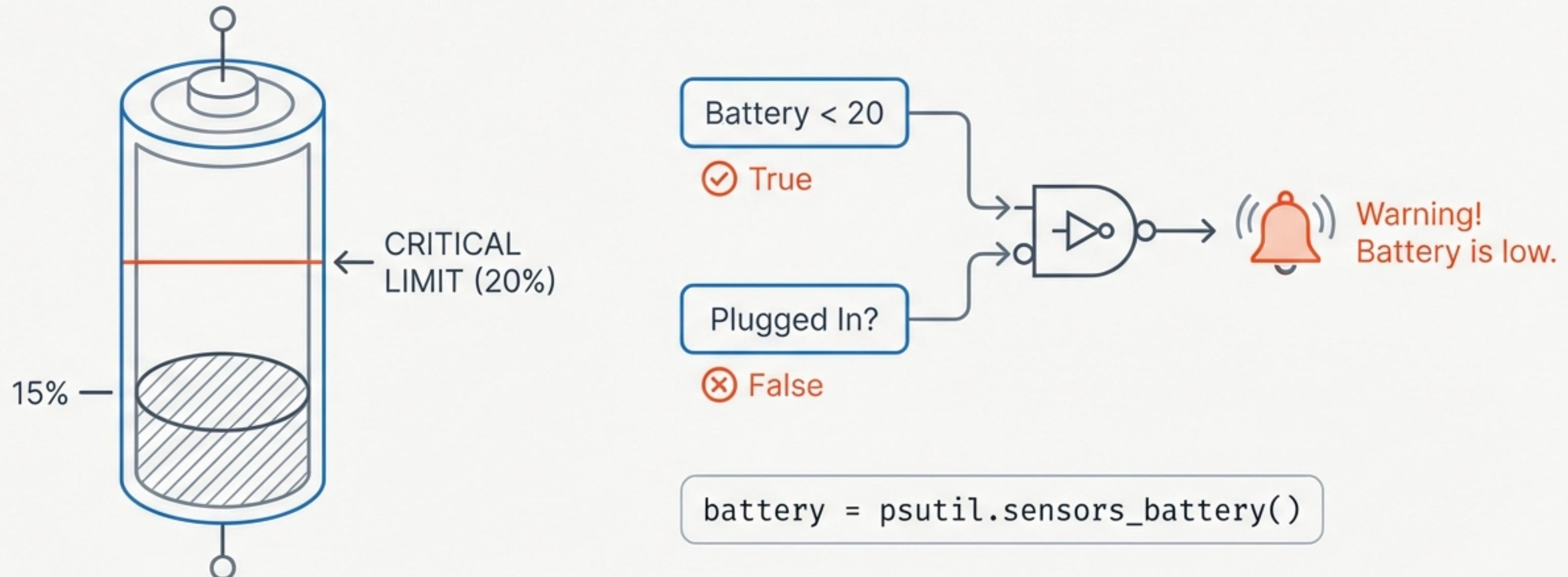


"Dual feedback ensures communication even if the screen is off or audio is muted."

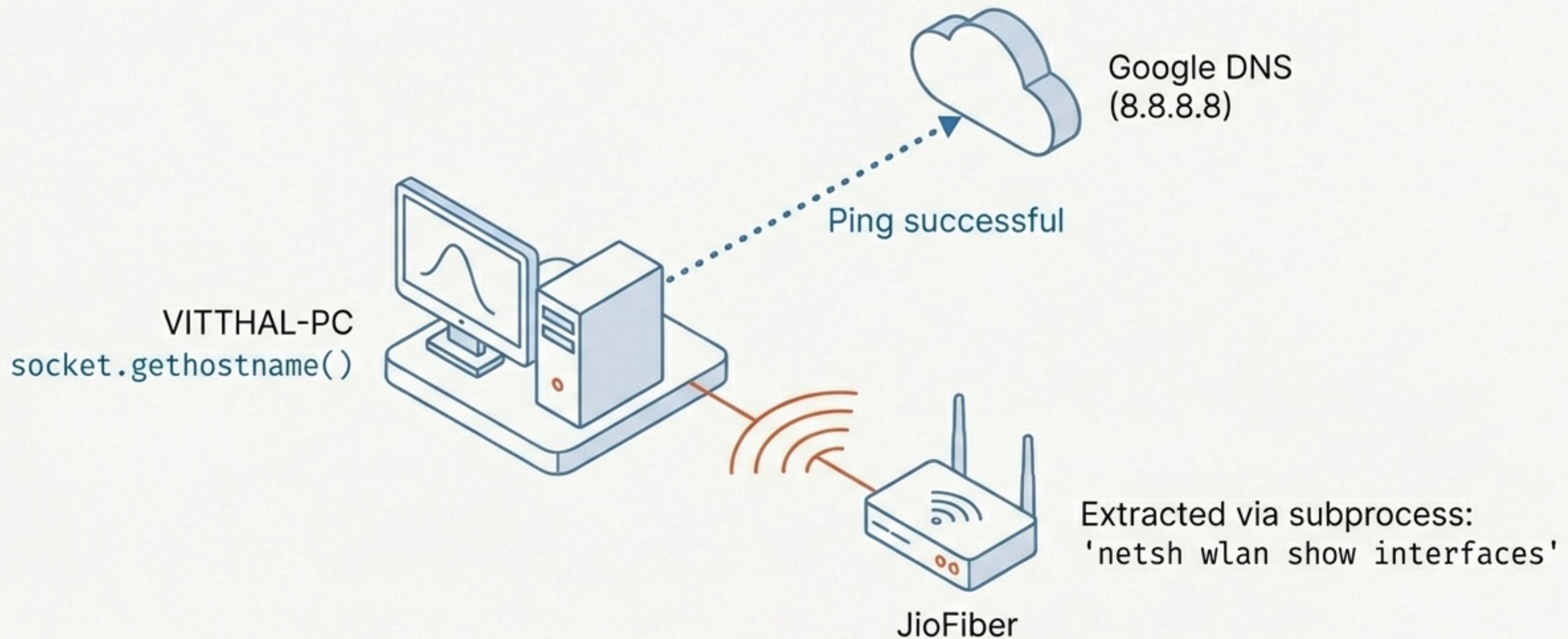
TEMPORAL AWARENESS



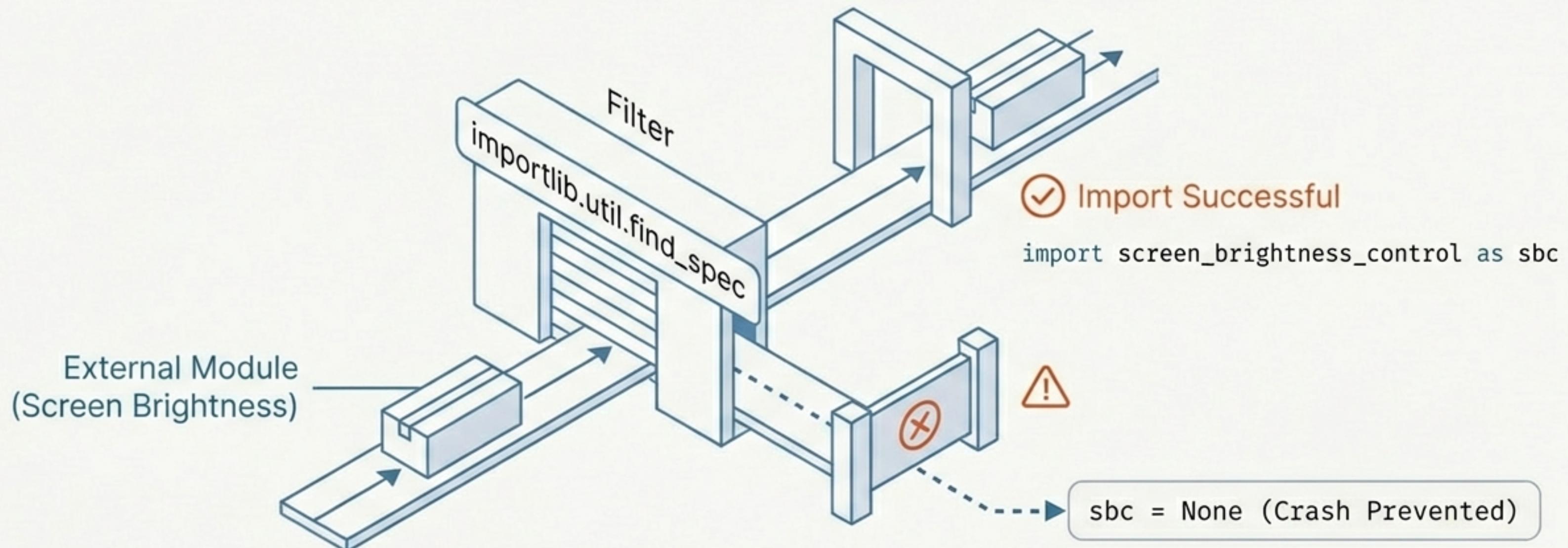
ENERGY MANAGEMENT & ALERTS



IDENTITY & CONNECTIVITY



DEFENSIVE CODING: SAFE IMPORTING



We check if the module exists before loading it.
If missing, the system adapts rather than fails.

VITAL SIGNS: SYSTEM TELEMETRY

CPU LOAD



`psutil.cpu_percent()`

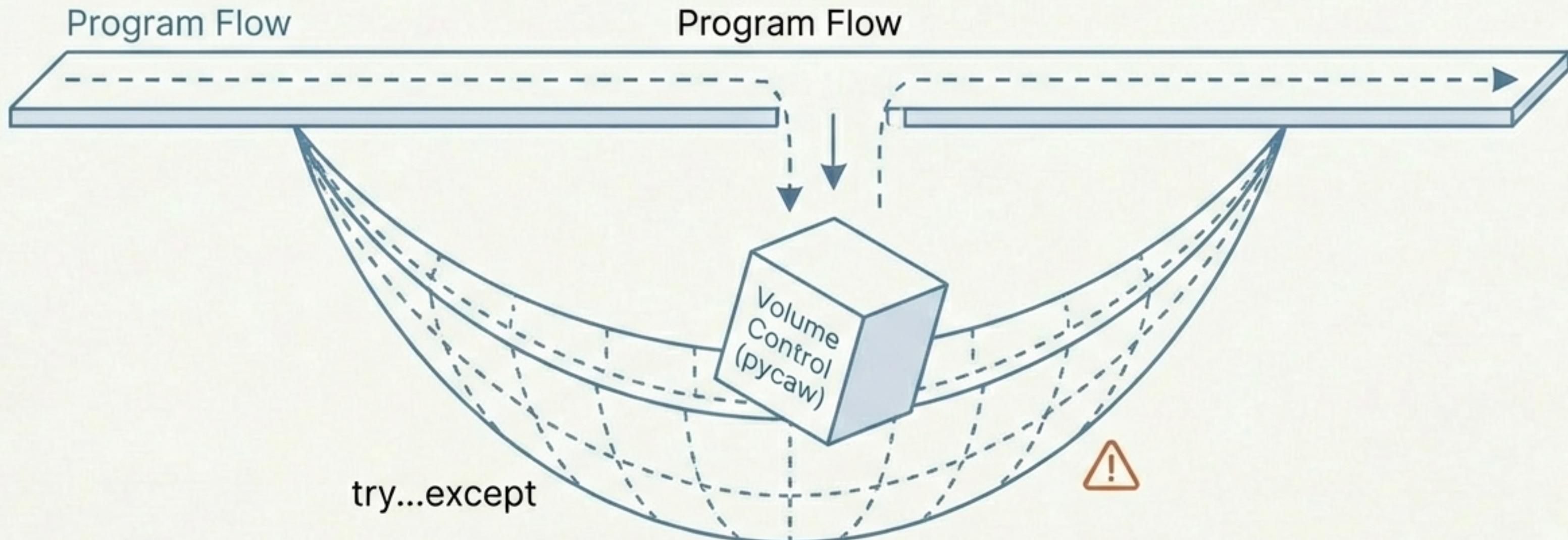
RAM USAGE



`psutil.virtual_memory()`

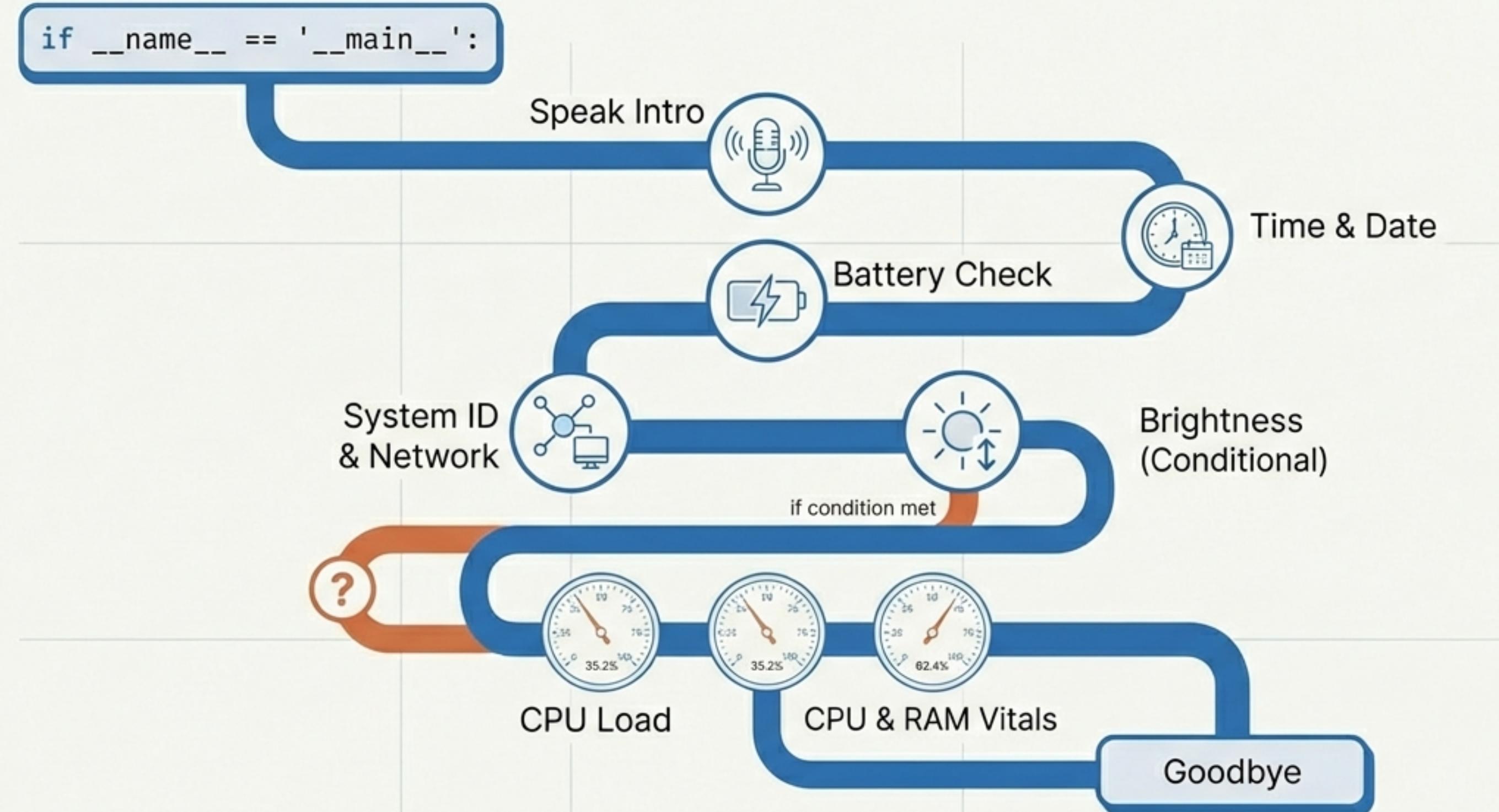
Providing an immediate snapshot of system health upon boot.

ROBUSTNESS: THE SAFETY NET



Graceful Degradation: Non-essential failures do not stop the execution.

THE BRAIN: EXECUTION LOGIC



ASSEMBLY INSTRUCTIONS

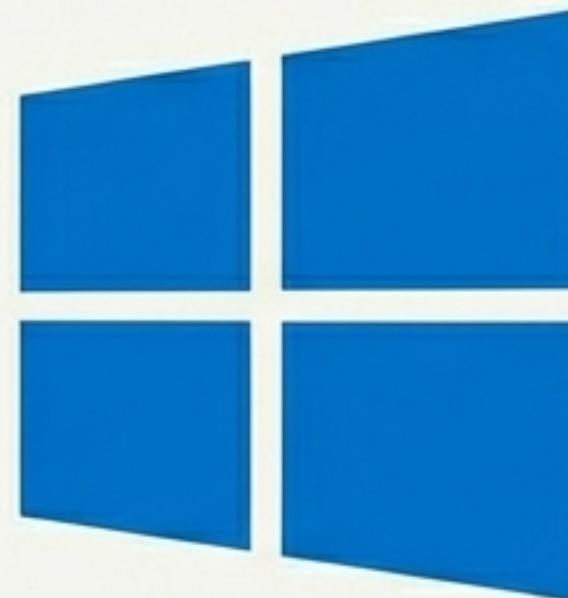
```
C:\User\Admin> pip install pyttsx3  
C:\User\Admin> pip install psutil  
C:\User\Admin> pip install screen-brightness-control  
C:\User\Admin> pip install pycaw comtypes  
C:\User\Admin> █
```

DEPENDENCIES

- Audio Engine
- System Utils
- Display Control
- Audio Utilities

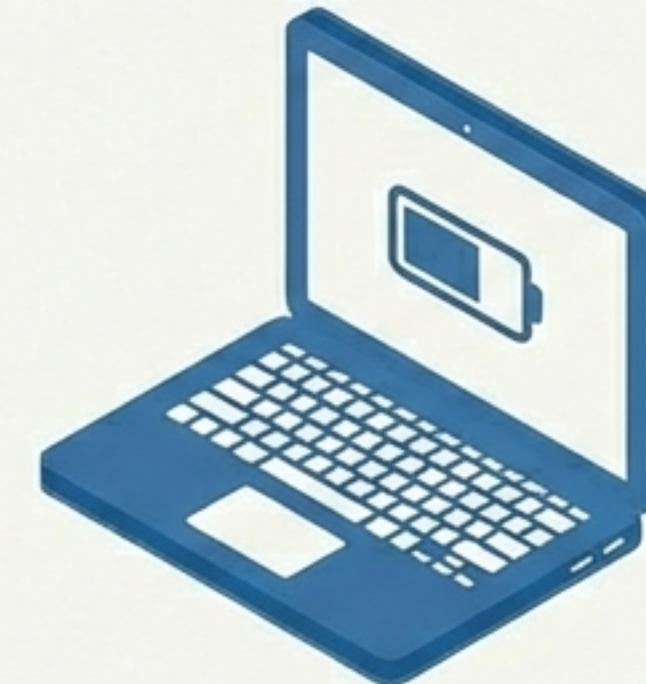
SYSTEM COMPATIBILITY & CONSTRAINTS

OS COMPATIBILITY



OPTIMIZED
(SAPI5 / NETSH)

HARDWARE



FULL BATTERY
SUPPORT

LIMITATIONS



Incompatible Voice Engine

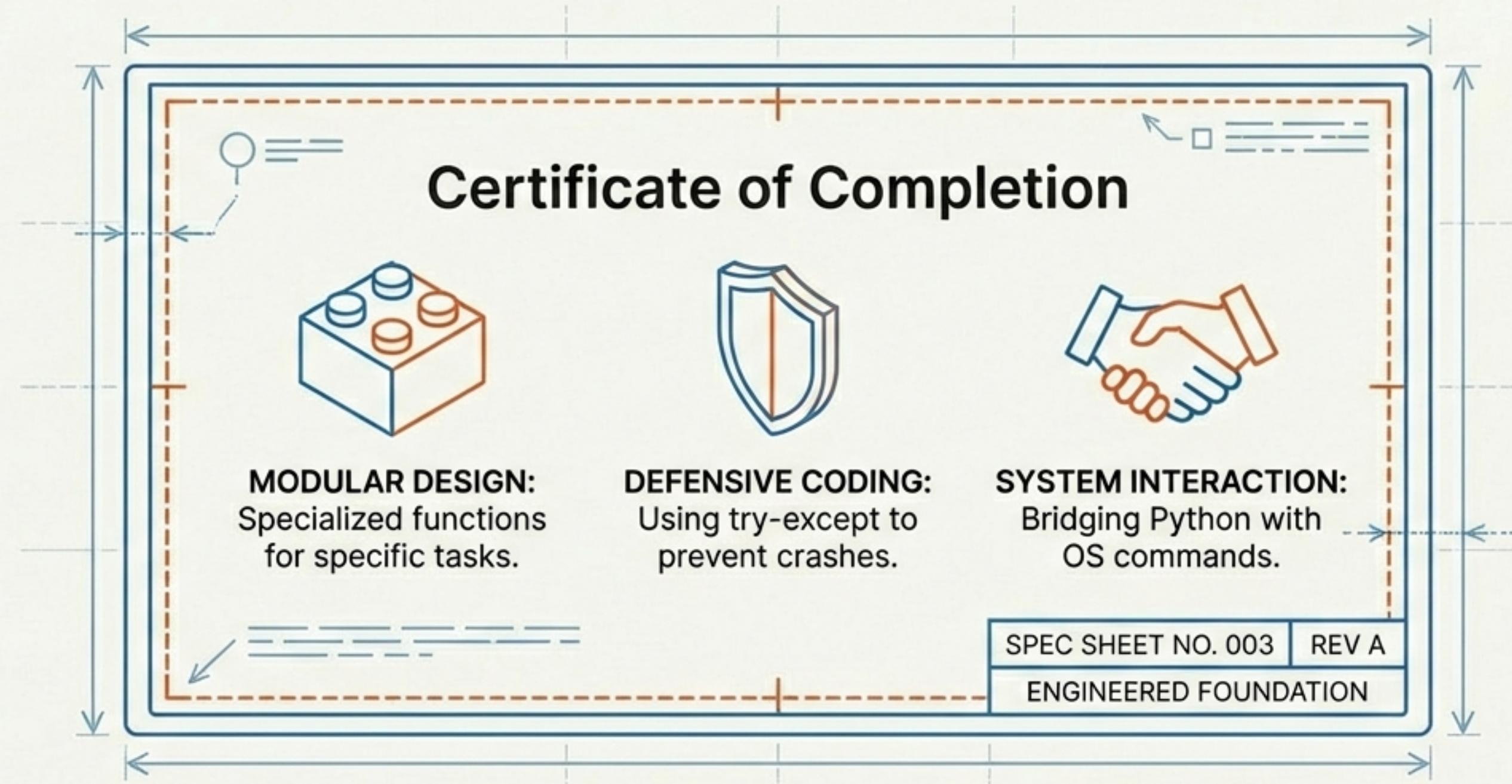


No Battery
Sensors



DNS Check
Fails

THE FINAL TAKEAWAY



This script is a foundation. Expand it with automation, AI, and advanced telemetry.