









## Overview



















## Existing Approaches

- TruffleHog
  - Detect high-entropy text
- Gitguardian
  - Detects secrets using Regex classifiers
- EarlyBird
  - Detects specific patterns in files
- NightWatch
  - Entropy-based detection

#### **Limitations with existing works:**

- User decides the repos
- Regex-based detection
- Relying on entropy
- Scalability



### What Secrets?

#### **CREDENTIALS**

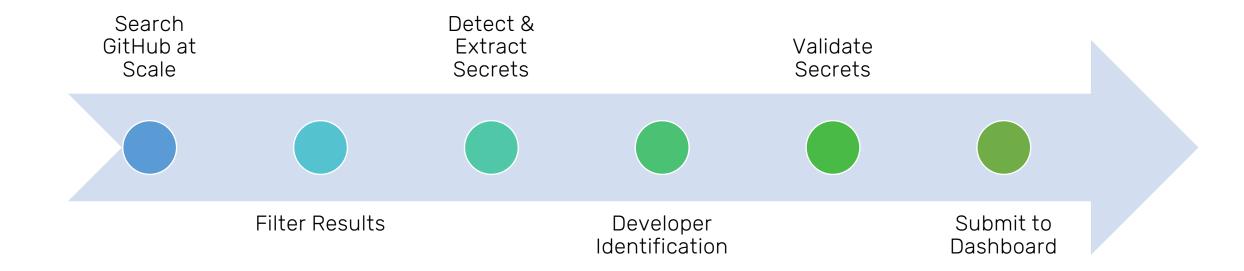
- Username & passwords
- Server credentials
- Account credentials
- etc.

## TOKENS / KEYS

- Service API tokens (AWS, Azure, etc)
- Encryption keys
- etc.

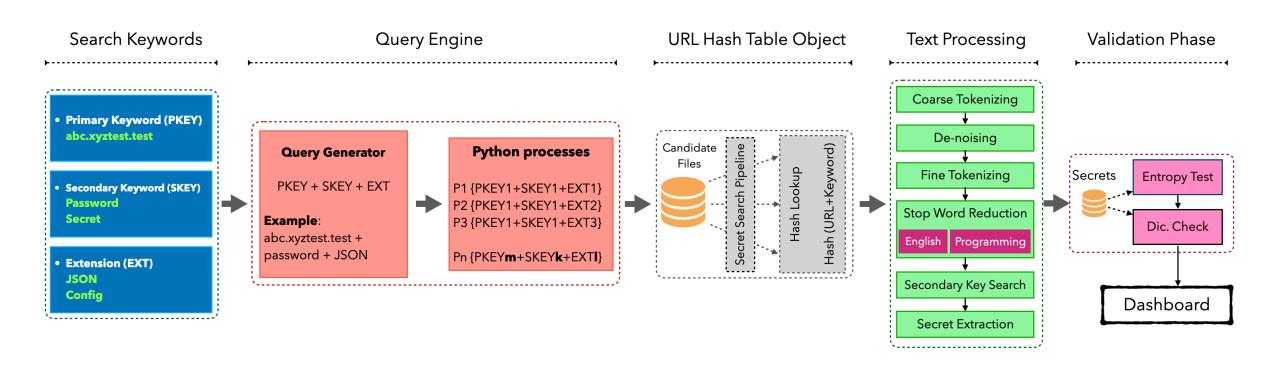


### **Overall Workflow**



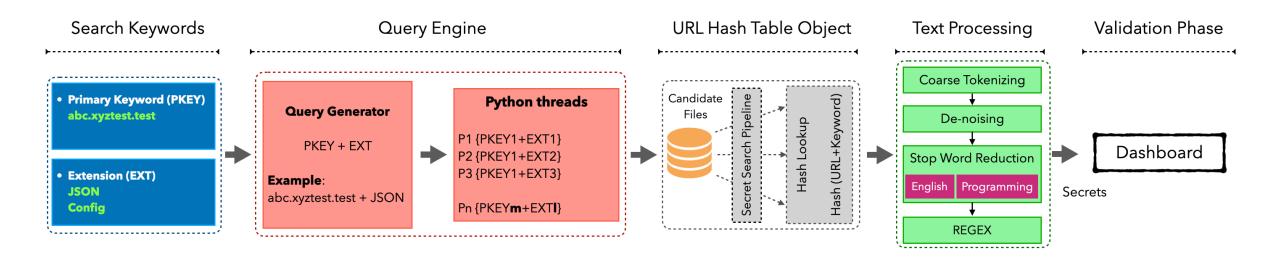


### **Credential Detection**





# **Token/Key Detection**





## **Validation Model**

