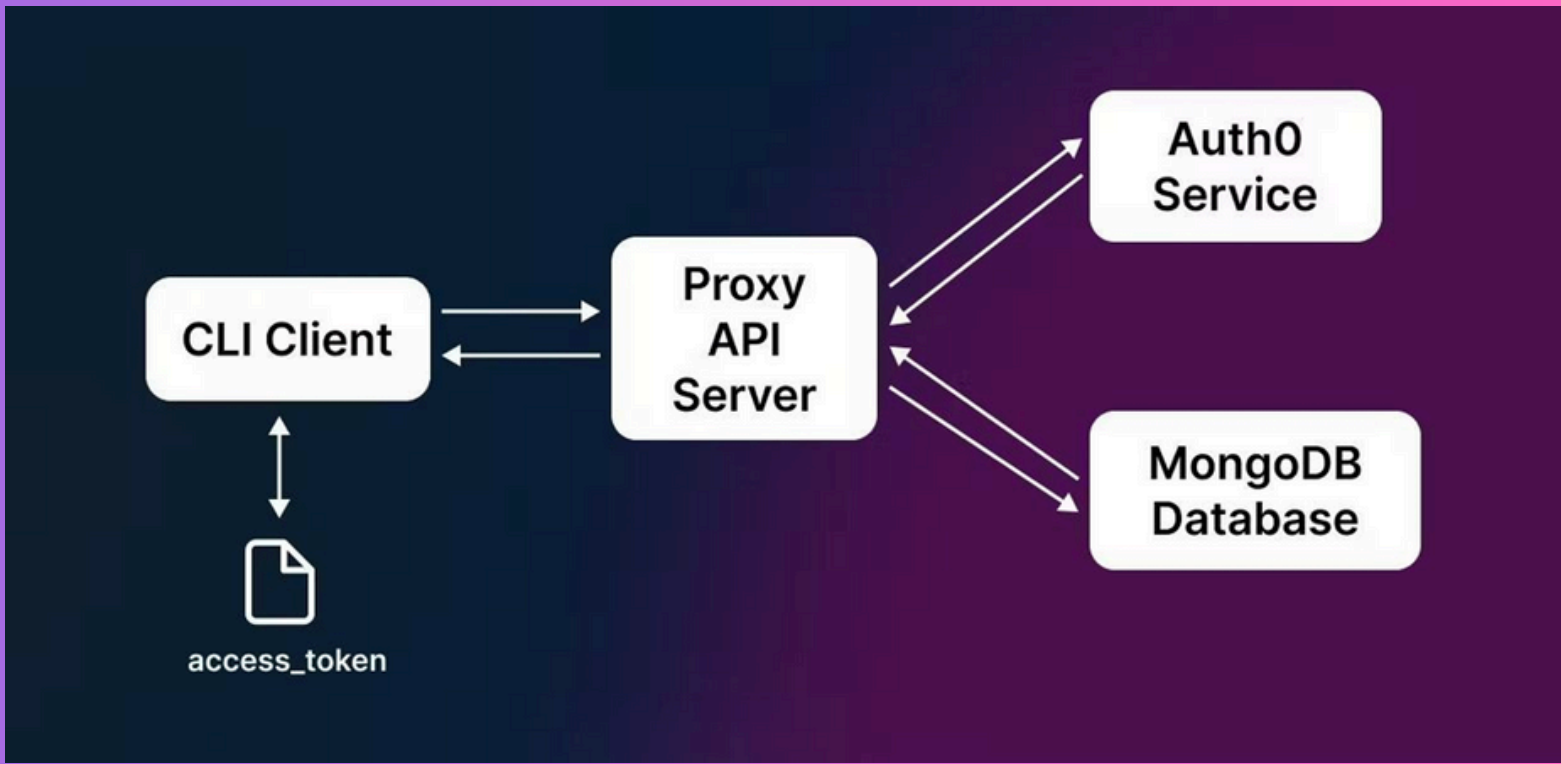


NOTESCLI: A CLI TOOL TO TAKE NOTES WITH AUTH0 SECURITY

INTRODUCTION

NotesCLI provides a secure and efficient way to manage personal notes through a command-line interface. By integrating Auth0 authentication and JWT-based login, it ensures only verified users can access or modify notes. The tool offers a streamlined note-taking experience with enhanced security, making it ideal for developers and professionals working in secure environments.



```
(venv) PS D:\OneDrive\Desktop\notescli> notescli create
```

Let's create a new note!

Enter the note title: Password Manager

Enter the note content: aums: Hq?4/]c7

```
(venv) PS D:\OneDrive\Desktop\notescli> notescli read
```

Your Notes:

6796597d3437caae7ae03e84 - Test

OBJECTIVE

- To provide a secure and efficient CLI-based note-taking tool for developers, enabling quick and distraction-free note management directly from the terminal.
- To implement robust authentication using Auth0 and a proxy API layer, ensuring user data privacy and secure access to stored notes.
- To streamline developer workflows by eliminating the need for GUI-based note apps, with future plans for export, decentralized storage, and collaborative features.

METHODOLOGY

- Designed independent modules for note handling, authentication, and data storage to ensure scalability and flexibility.
- Used Auth0 for secure user authentication with support for OAuth 2.0 and OpenID Connect.
- Enabled secure communication through HTTPS-protected RESTful APIs with token-based authorization.
- Stored notes in encrypted MongoDB collections, with optional MySQL integration for relational data needs.
- Implemented input validation, access controls, and CLI enhancements for both security and user experience.

TECHNOLOGIES USED



LINKS

- <https://github.com/Raaghavi-K-R/Notescli>

