A pair of black-rimmed glasses is centered in the frame. The background is a light gray surface covered with various code snippets, including letters like 'S', 'M', 'L', 'K', 'U', 'V', 'X' and numbers like '4', '3'. The snippets are slightly out of focus, creating a bokeh effect. A thin white vertical line is positioned to the left of the main title.

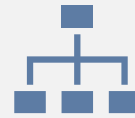
MODERN, EFFICIENT,
DEVELOPER-FRIENDLY

CODE SNIPPET MANAGER

PROBLEM STATEMENT



- Developers often reuse code snippets



- Organizing snippets is challenging



- Finding the right snippet takes time



- No easy way to categorize and search

OUR SOLUTION



A modern web application that helps developers:



- Store and organize code snippets



- Search efficiently

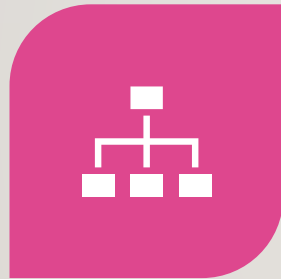


- Access quickly



- Maintain dark/light mode preferences

KEY FEATURES



1. SNIPPET
MANAGEMENT



2. SMART
SEARCH



3. USER
EXPERIENCE

TECHNICAL STACK

Frontend: React with TypeScript, Material-UI components, Custom hooks for state management

A light pink arrow pointing downwards from the first box to the second box.

Data Storage: Local Storage API, Custom useLocalStorage hook, Persistent preferences

A light purple arrow pointing downwards from the second box to the third box.

Development Tools: Create React App, TypeScript compiler, ESLint for code quality

ARCHITECTURE

- Components:
 - SnippetForm: Create/Edit snippets
 - SnippetList: Display snippets
 - SearchBar: Filter snippets
 - ThemeToggle: Switch themes
- Custom Hooks:
 - useLocalStorage: Data persistence
 - useMemo: Search optimization

FUTURE ENHANCEMENTS



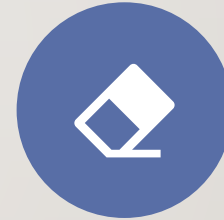
- CLOUD
SYNCHRONIZATION



- SNIPPET SHARING



- CODE
HIGHLIGHTING



- MULTIPLE
COLLECTIONS



- EXPORT/IMPORT
FUNCTIONALITY

THANK YOU!

- GitHub: <https://github.com/PaulOnyekwelu/code-snippet-manager>