



INTEGRATING SMART AGENTS WITH GITHUB COPILOT



AGENDA

PROBLEM STATEMENT

PROPOSED SOLUTION

USER EXPERIENCE WITH SMART AGENTS

VOLT ARCHITECTURE

DEMO

PROBLEM STATEMENT

While GitHub Copilot excels at code completion, it lacks the contextual awareness of the problem developers are solving.

Developers often need to understand project requirements and locate dependent assets—such as documentation, design files, or configuration data—before they can effectively use Copilot.

This creates friction in the development process, as they must leave the development environment to access critical resources which can lead to inefficiencies.



PROPOSED SOLUTION

We propose integrating Smart Agents with GitHub Copilot to create a seamless development experience.

- Access requirements directly from JIRA using **Atlassian Rovo**.
- Build a dedicated **smart agent for our organization(called Volt)** that can search, retrieve, and manage company assets allowing developers to find everything they need effortlessly.
- Combine the contextual capabilities of **smart agents with Copilot's code completion**, enabling more accurate and informed code suggestions.

USER EXPERIENCE

WITH SMART AGENTS

Engineer / Analyst /
Data Scientist

① Ask for To Do tasks
from JIRA

② Access
Organization assets
required for development

③ Copilot analyze workspace
and apply code changes

 Rovo

Summarize
requirements from JIRA

Access Requirements

JIRA

Get supporting
details using Volt

 Volt

Understand user query
and fetch related details

Access Organization Assets

Alation API
Sharepoint API
Vector DB
& More

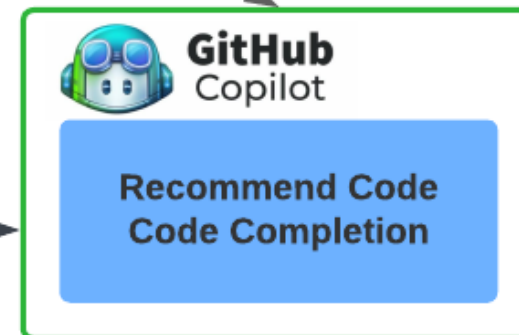
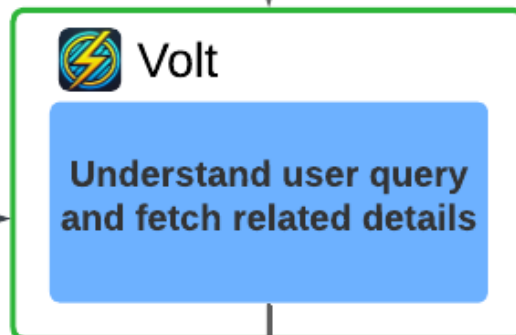
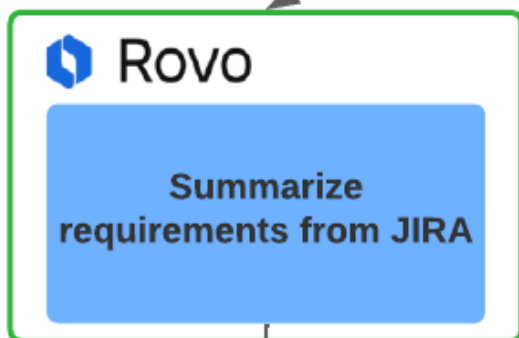
Pass additional
context to copilot

 GitHub
Copilot

Recommend Code
Code Completion

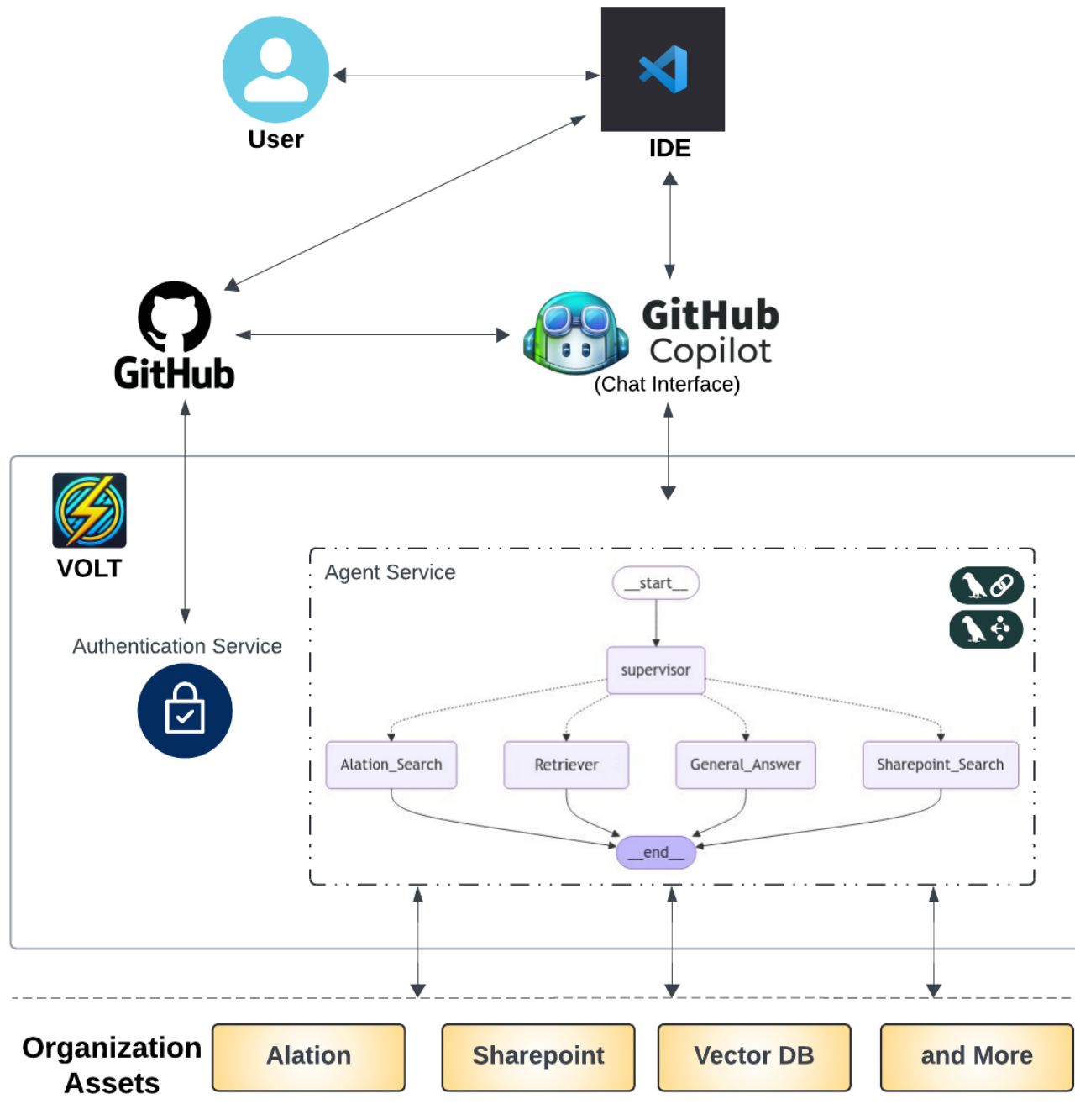
Update Code Repo

Github Workspace



VOLT

ARCHITECTURE



DEMO



THANK YOU

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Github Link: https://github.com/mayur11235/volt_service