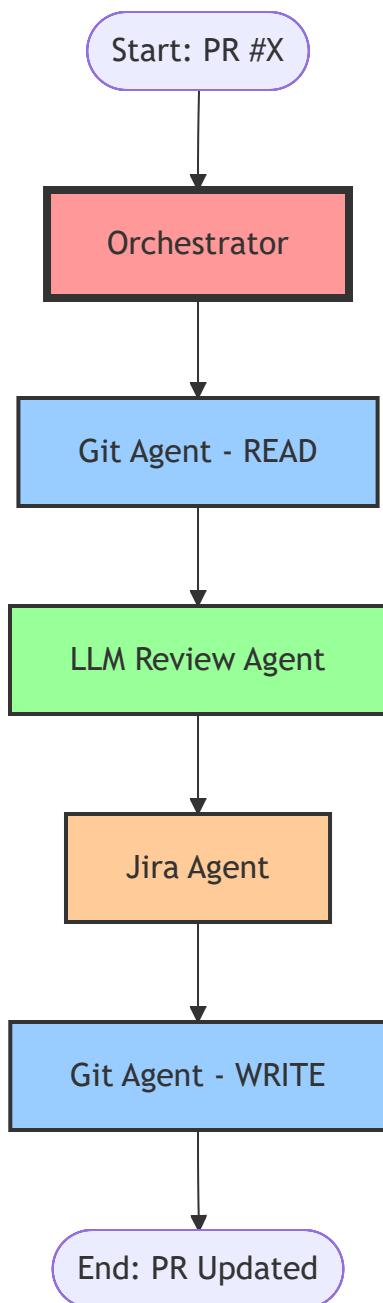
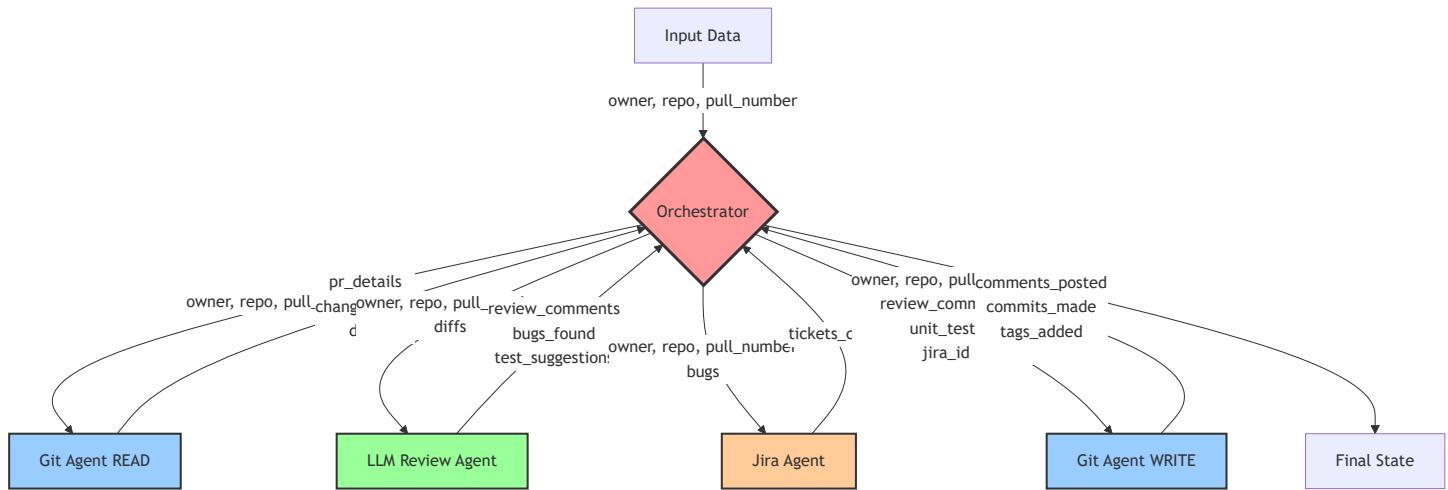


ReviewerAgent - Architecture Diagram

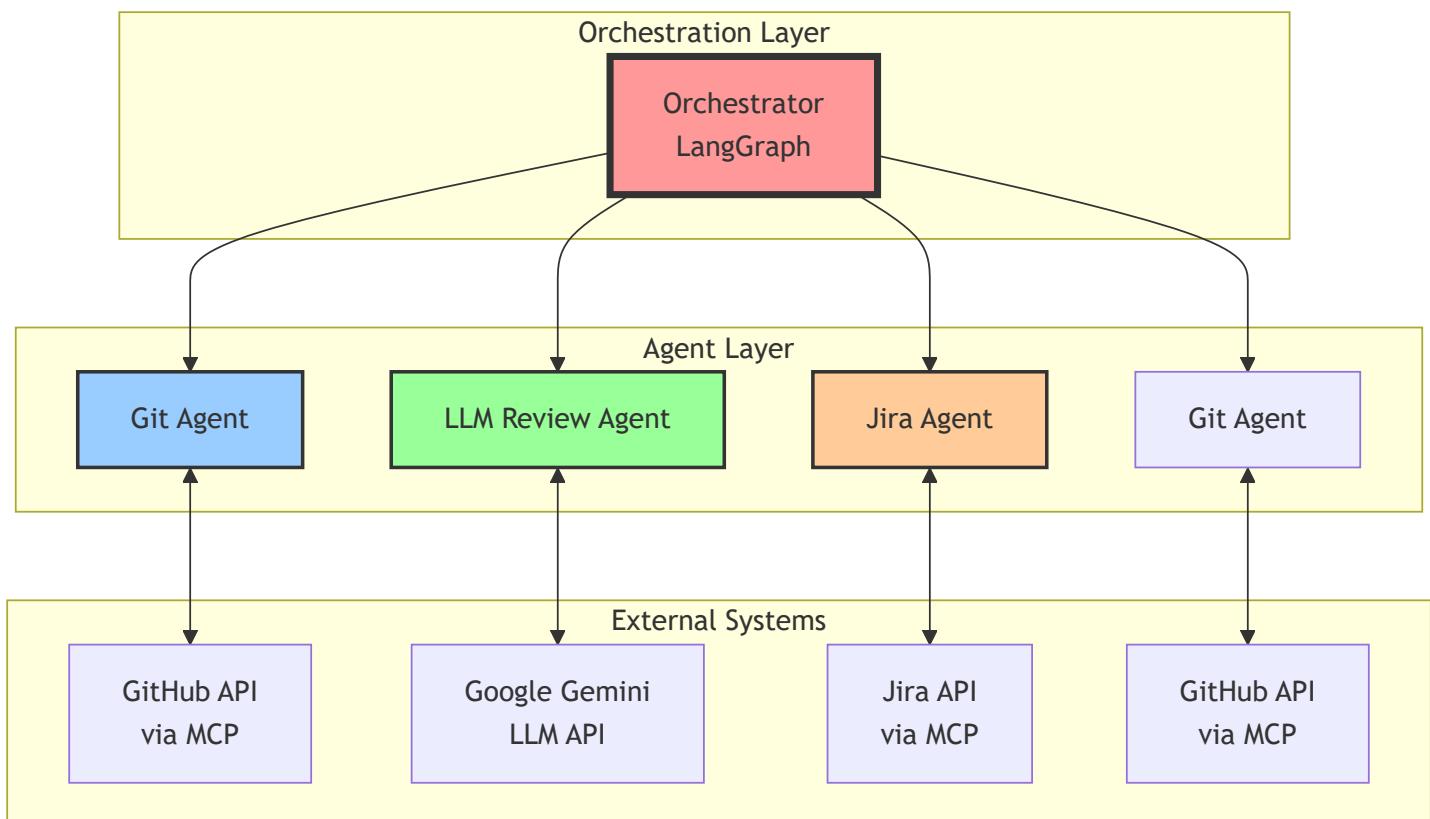
High-Level Architecture



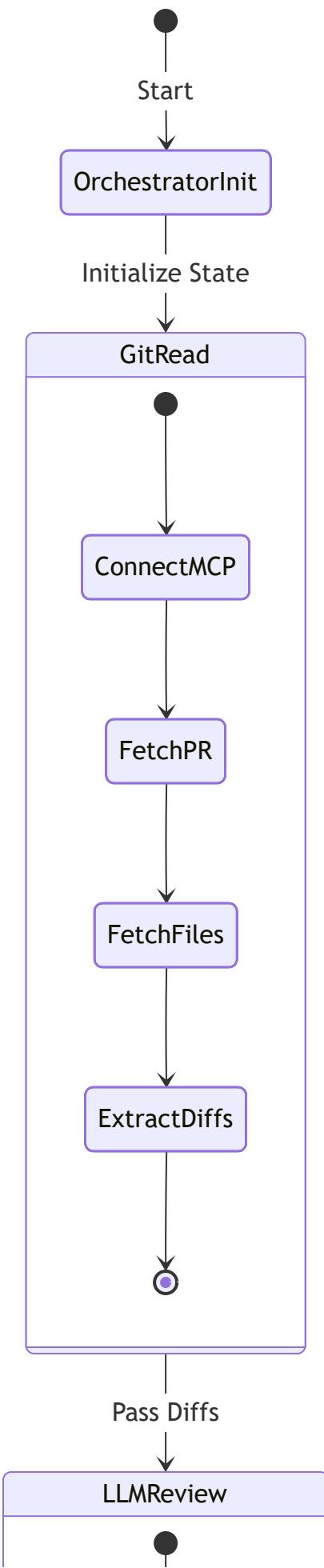
Data Schema Flow

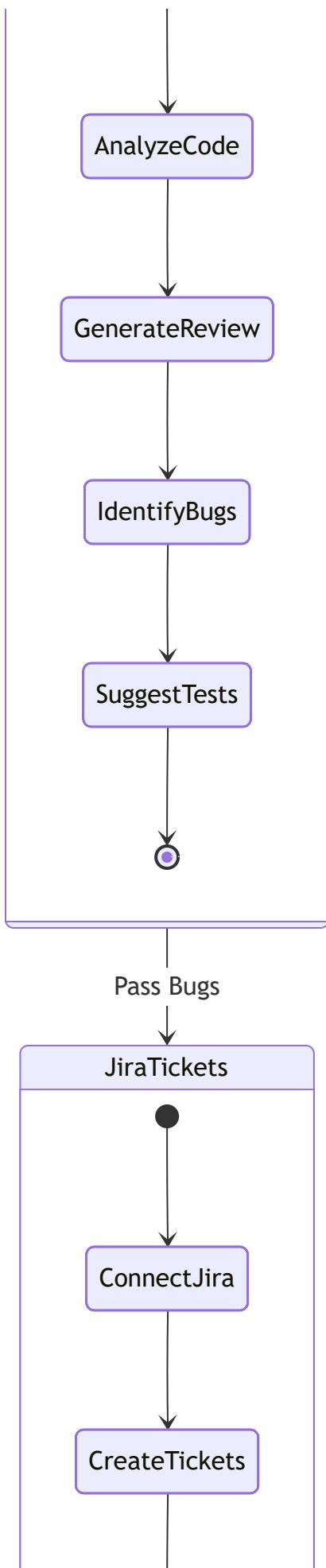


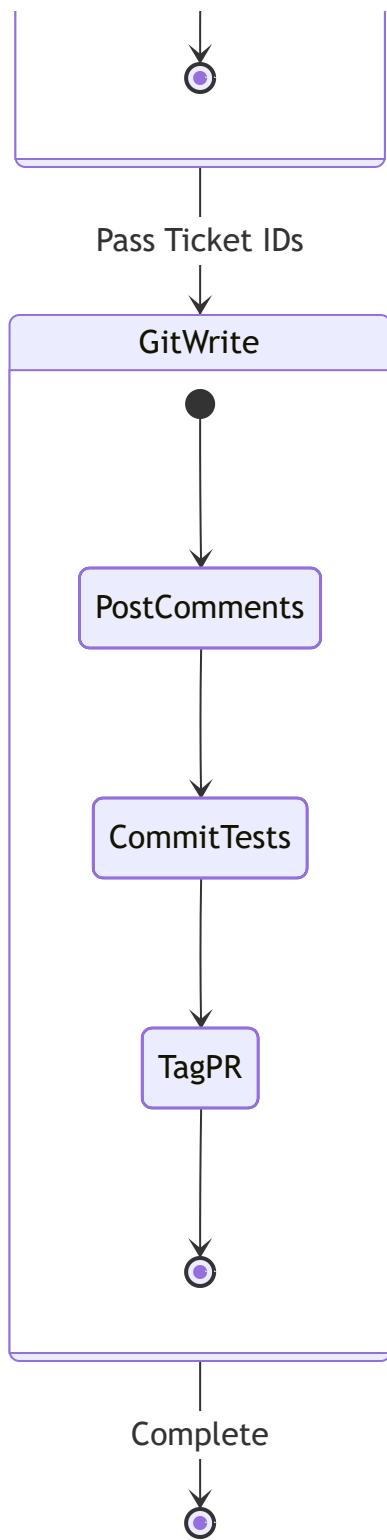
Component Interaction Map



State Management







Legend

- **Red** = Orchestrator (Main coordinator)
- **Blue** = Git Agent (GitHub integration)
- **Green** = LLM Review Agent (AI analysis)
- **Orange** = Jira Agent (Ticket management)

Key Data Structures

OrchestratorState

```
{  
    owner: str  
    repo: str  
    pull_number: int  
    git_read_result: {pr_details, changed_files, diffs}  
    llm_review_result: {comments, tests, bugs}  
    jira_result: {tickets_created}  
    git_write_result: {comments_posted, commits_made, tags_added}  
}
```

GitAgentState

```
{  
    owner, repo, pull_number  
    client: MCP Client  
    pr_details, changed_files, diffs  (READ)  
    review_comments, unit_tests, jira_id  (WRITE)  
    comments_posted, commits_made, tags_added  (OUTPUT)  
}
```

LLMReviewAgentState

```
{  
    owner, repo, pull_number  
    diffs  (INPUT)  
    llm_analysis  
    review_comments, bugs_found, test_suggestions  (OUTPUT)  
}
```

JiraAgentState

```
{  
    owner, repo, pull_number  
    bugs  (INPUT)  
    jira_client  
    tickets_created  (OUTPUT)  
}
```