

AI tools in PP

Thursday, 20 March 2025 9:37 PM

- Raptor upgrade : butterfly plugin
- Jdk upgrade : Open rewrite (Market plugin)
- Sonar & UT : Previously open rewrite now Gemini is good
- Copilot is better in auto completion

Use Gemini like Pro

- SQ : Fix all sonarqube issues in filename and add java doc for all public methods and classes
- UT : Generate unit tests with 100% code coverage for file name and assertion message for all assertions in the tests and method name should start with actual method prefix
- PR review : Go to the PR and take the .diff file and tell -> I have given a diff file in pr_40, please summarize the PR. Please summarize if there are any issues with it.
- Code Refactoring :
 - .gemini-prompts.md file
 - Give detailed problem statements as prompts and each time before asking to refactor give it and specify the file name to refactor

Agent management tool:

- For viewing DB in 2 different views without switching and making effort to analyze the difference of those views we can use in a sql project
- We can use to transform data from xyz to something else
- Migrating a php to raptor component using similar prompts.md file
- Ask it to summarize at end so that next day you can start from that summary

GenAI Studio(Cosmo products): <https://gds.paypalinc.com/jupiter/genai-dev-studio/app>

- We can use multiple LLM (deepseek, R1, chatgpt higher version's etc.,)
- Pre-defined templates are available
- Email recifier - helps in writing email based on expression needed
- Translator is like google translator
- Summarizer to summarize big content / confluence page
- Cosmos Assistant:
 - Works based on RAD(Retrieval Augmented Things)
 - We can create our own profile
 - Where people upload all their confluence page links and git hub location
 - Other teams can search and get the necessary details
- Project Mgmt:
 - Link jira dashboard and analyze the sprint activities
- Search by ticket:
 - Any LI, TNT, INC tickets you paste it retrieves the data of that ticket, it can summarize and give it

Code-Pal:

- It can get data from our confluence pages, git repos
- We can create profile of our own and all confluence pages, repo's indexed in that profile
- Once we index properly it can pull what are the api's available inside that repo as well
- For locally doing these there is option called check with files, select the files and it can scan all files and give those api details
- Right click -> Codepal -> Generate UT / Comments :: It will generate UT in a separate tab 'Generated Tests'
- We can ask for code explanations, select the function right click -> Code-Pal -> Explain code

Ai4tech-git Agent:

- Provide summary of the git changes
- Provide improvements in the code