


Introducing PAUL: Patch Automation Using LLMs

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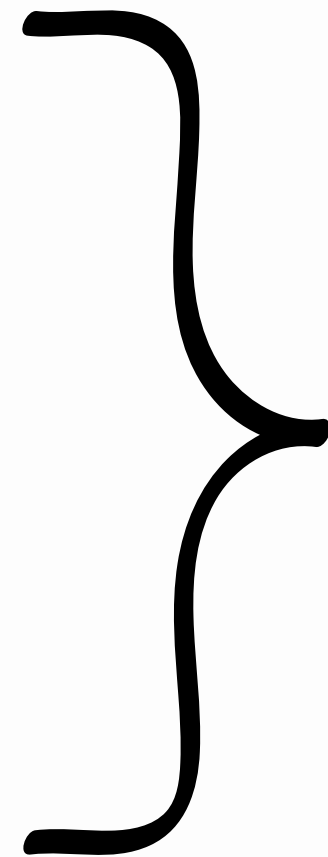
(hopefully not for long)

Last time

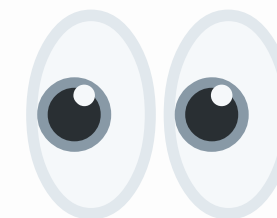
- Automatic software repairing
- Patching
- GenProg
- AGENTLESS 
- RepairAgent
- ChatRepair

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All have pros and cons. Still, kinda boring.
Need something a little more practical.

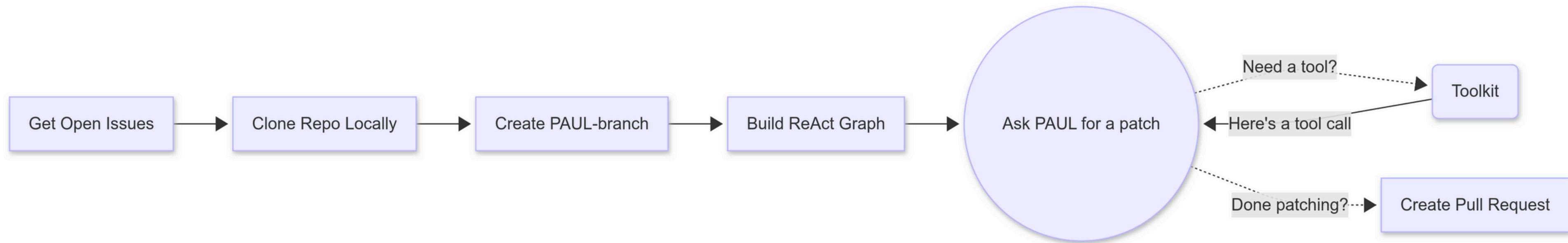


Meet PAUL!

- Patch **A**utomation **U**sing **L**LMs
- Kaizen-ifies automatic program repair
- On issue open, PAUL will try to provide a patch by opening a pull request
- Needs:
 - GitHub action
 - GITHUB_TOKEN (free)
 - OPENAI_API_KEY (paid)



PAUL workflow



Demo



Thank you!

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