Google Developer Experts

GO

Building My Twitch AI Bot

Using Golang, Langchaingo, twithIRC, and Llamacpp

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Why build a bot?

I want to augment my twitch chat

- Drive engagement
- Less stuttery streams
- Have a cool project to build on stream

Experts

Step one stream
Twitch Chat

Experts

```go
c.OnPrivateMessage(func(msg v2.PrivateMessage) {
  fmt.Println(msg.Message)
      rsp, err := irc.llm.SendChat(context.Background(), msg.Message)
  if err != nil {
    fmt.Println(err)
  }
  c.Say(peteTwitchChannel, rsp)
})
```

Step two run llama cpp server

```
./serve -m models/mistral/mistral_7b_v1.gguf
```

Step three connect to Llama cpp using Langchain

```go
func (c Client) SendChat(ctx context.Context, chat string) (string, error) {
  content, err := llms.GenerateFromSinglePrompt(ctx,
    c.llm,
    chat,
    llms.WithTemperature(0.8),
    llms.WithStopWords([]string{"Chat"}),
  )
  if err != nil {
    return "", fmt.Errorf("failed to get llm response: %w", err)
  }
  return content, nil
}
```

Step four run bot

Experts

[Twitch: TheShaggyD] tell another story
[Twitch: Bot] what story?
[Twitch: TheShaggyD] about a programmer
[Twitch: Bot] About a programmer?
[Twitch: TheShaggyD] Complement me
[Twitch: Bot] This is the assistant.
[Twitch: SoyPeteTech] tell a story about a famous streamer
[Twitch: Bot] I've heard of several famous streamers, including Ninja, Shroud, and Dr DisRespect. What do you want to know about them?
[Twitch: TheShaggyD] LOL
[Twitch: TheShaggyD] it's quality
[Twitch: Bot] thanks
[Twitch: TheShaggyD] see
[Twitch: Bot] hi

Experts

Thank You!

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