Report From GoDays 2020 in Berlin

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Golang Estonia Meetup @Mooncascade
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Gopher by Egon Elbre

Things People Do With Go

- [Koro](#) (Aditya Mukerjee)
    - Be welcoming - initial Go compiler
    - Go compiler extension to support programming in Bengali

    - Bengali - VII in the world, II in India
    - No cases in Bengali
    - S in german

```
প্যাকেজ main

আমদানি "fmt"

ফ main(){
    যদি true {
    fmt.Println("Hello, world!")
  }
}
```

Things People Do With Go

- Koro (Bengali)
- Claim Go Ready for Enterprise Users

Enterprise Ready Go (Mario-Leander Reimer)

- Mature - active community
- IDE support
- Tooling - build, dependency management, debuggers, profilers
- Library ecosystem
- Resources - great documentation, literature, training available
- Integrations - SAP, SOAP, CORBA

Things People Do With Go

- Koro (Bengali)
- Claim Go Ready for Enterprise Users
- Go on Stage

Controlling Light on Stage - Alex Pinnecke

- Drummer of a metal band - **OneMoreWord**
- Do stuff nobody needs, without deadlines

Setup

- Go
- Raspberry-Pi
- DMX512 over art-net
  - DMX512 - standard for stage lighting and effects
  - Art-net - royalty free communications protocol for transmitting DMX512 remote device management over UDP

Things People Do With Go

- Koro (Bengali)
- Claim Go Ready for Enterprise Users
- Go on Stage (controlling lighting)
- Instrumentation
  - "...refers to an ability to **monitor** or measure the level of a product's **performance**, to **diagnose errors**, and to write **trace information**." (Wikipedia, emphasis is mine)
  - RED method (requests, errors, duration)
  - Prometheus-Grafana
  - Open Tracing ⇒ Open Telemetry

Things People Do With Go

- Koro (Bengali)
- Claim Go Ready for Enterprise Users
- Go on Stage (controlling lighting)
- Instrumentation
- Ecosia
  - Search engine that plants trees
  - 2015 - 1 million trees planted
  - 2018 - 30 million trees planted
  - 2019 - 50 million trees planted
  - Privacy friendly
  - ~45 searches - 1 tree

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