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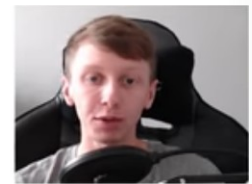
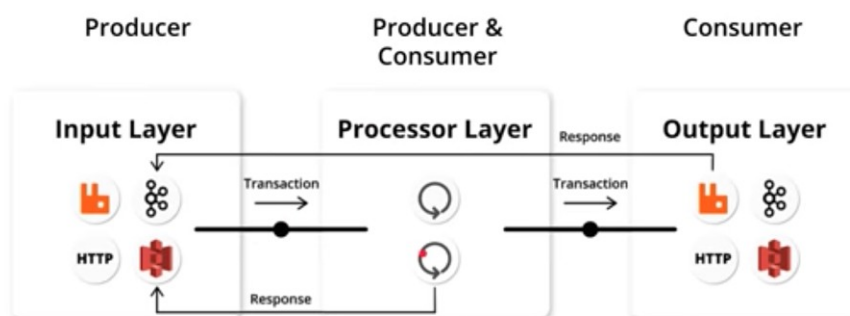
#224 — AUGUST 17, 2018

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## Golang Weekly

Apologies for the delay in our sending of the newsletter — we ran into some technical difficulties yesterday. Back to Thursday, as usual, next week :-)

— Peter Cooper, editor



► **[Building a Resilient Stream Processor in Go](#)** — In 40 minutes, a developer explains how he built a stream processing pipeline system ([Benthos](#)) in Go. Well recorded and goes into a *lot* of depth of the architecture.

ASHLEY JEFFS

**[Go's 'net' Package Doesn't Have Opaque Errors, Just Undocumented Ones](#)** — A developer got frustrated with the `net` package's general error type ([OpError](#)) for easily determining *what* error had actually occurred, but then discovered there are more elaborate errors to check under the hood.

CHRIS SIEBENMANN

**[Learn How to Automate an AppSec Pipeline Using Docker and Serverless](#)** — With the rise of docker and serverless patterns, there is a whole new suite of tools available to the pipeline builder. In this webinar, learn how to get started automating application security tooling and reporting using these new patterns.

SIGNAL SCIENCES SPONSOR



**[go-sqlite-lite: A New SQLite Driver for Go](#)** — A neat driver for working with the world's [most deployed](#) database direct from Go. It even supports SQLite's [online backup API](#) and [BLOB incremental IO](#).

BRIAN VINCENT

**[A Good Makefile for Go](#)** — This is a really awesome Makefile for a web application that includes hot reloading and nice help output. I can dig it.

AZER KOÇULU

**[My Favorite Go 2.0 Proposals](#)** — A quick look at three proposals for Go 2.0 (from a [significantly longer list](#))) such as interface literals and fixing inconsistent casing in function names.

DEAN BASSETT

**[Go 1.11 Release Candidate 1 Released](#)** — The final release is due any day now. [Here are the draft release notes.](#)

FILIPPO VALSORDA

## □ Jobs

**[Mid-level & Senior Backend Go Engineers - North America \(Remote\)](#)** — Help us build & deliver reliable solutions for our clients. We are a high-performance software development firm.

ARDAN LABS

**[Find A Go Job Through Vetterly](#)** — Vetterly specializes in dev roles and is completely free for job seekers. Create a profile to get started.

VETTERLY

## □ Tutorials & Articles

**[Paperback Edition of 'Writing a Compiler in Go' is Out](#)** — We linked to the release of the digital book in [#222](#), but if you prefer real life books, this is great news.

THORSTEN BALL

**[Avoiding Concurrency Boilerplate with golang.org/x/sync](#)** — A part of a series on the Go sub-repos (golang.org/x/\*), the sync subrepository offers some nice abstractions for common concurrency issues.

CHRIS ROCHE

**[Build a Netflix Style Video Platform - GoLang API Client](#)** — Play videos at the same quality and speed as Netflix & YouTube. API clients for all major languages.

BITMOVIN SPONSOR

**[Building a Debugger From Scratch: Part 1](#)** — “Have you ever wondered how debuggers work? .. Let's find out by writing a basic debugger in Go!”

LIZ RICE

**[Face Recognition with Go with go-face](#)** — Leveraging the [dlib](#) C++ machine learning toolkit to create a face recognition library for Go.

KAGAMI HIIRAGI

**[Does The Go Race Detector Catch All Data Races?](#)** — The answer is “no”, but you probably guessed that. Read this article for an example of how a [data race](#) goes undetected.

VAL DELEPLACE

**[What the DevSecOps Community Survey Results Really Mean for Developers](#)**

SIGNAL SCIENCES SPONSOR

**[Single Process Programming with Go and SQLite](#)** — Based on a presentation at Go Northwest, David discusses the one large VM, one large process approach to programming that is either bizarre or brilliant. Or both.

DAVID CRAWSHAW

## □ Code

**[Zap: Fast, Structured, Leveled Logging in Go](#)**

UBER

**[Benthos: A Resilient and Quick-to-Deploy Stream Processor](#)** — Connect numerous sources and sinks (e.g. S3, Kafka, RabbitMQ, Redis, and *many* more) and perform actions, filters, etc. in between.  
ASHLEY JEFFS

**[gomarkov: Markov Chains for Textual Data](#)**

MIROQJIN BAKSHI

**[QLBridge: A SQL Expression VM for Building Your Own Query Engines](#)** — A SQL execution engine for embedded use as a library for SQL or SQL-Like functionality.

AARON RADDON

**[Move Fast and Fix Stuff. Over 500K Developers Fix Errors with Sentry](#)**

SENTRY SPONSOR

**[Goofys: A High-Performance, POSIX-ish Amazon S3 File System Written in Go](#)** —

Allows you to mount an S3 bucket as a *fileish* system.

KA-HING CHEUNG

**[quantiles: A Translation of TensorFlow's Quantile Helper Class](#)** — Sadly I don't understand the underlying concepts behind this one, but if you need to '*compute approximate quantiles with error bound guarantees for weighted data sets*' hopefully you'll be glad we linked it ;-)

AXIOM, INC.

**[morse: Morse Code Library in Go](#)** — Because you never know when you'll be on a submarine...

ALWIN DOSS

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