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Go Newsletter

Issue 159 — May 11, 2017

FEATURED

Using Code Generation to Survive Without Generics

Learn how to use code generation to create type-safe code (like a Queue or LinkedList) without having to rewrite the same thing over and over again.

JON CALHOUN

Error Handling Patterns in Go

Some patterns around the proper use of `defer`, how to wrap error checks to avoid duplication, and adding context to your errors.

NEMANJA MIJAILOVIC

CockroachDB 1.0: A Production-Ready Go-Based SQL Database

One of the “NewSQL” generation of databases, CockroachDB is an open source, distributed SQL database designed for high availability. [Source here](#).

SPENCER KIMBALL

Equip Your Go Apps With Backtrace - and meet our new gopher

Unlike other error reporting platforms, Backtrace captures all panics and crashes, even in native libraries, with no API integration required and no runtime performance penalty.

BACKTRACE **SPONSORED**

k6: A New Open Source Load Testing Tool

Billed as “unit testing, but for performance”, k6 is built in Go and offers Docker and CLI based tools for HTTP testing. [GitHub repo](#).

K6.IO

Writing and Testing an Event Sourcing Microservice with Kafka and Go

A thorough tutorial that uses Kafka for events, Redis for CQRS, and Semaphore CI for continuous integration.

SEMAPHORE CI

Anonymizing Images with Go and MachineBox.io

Building a command line utility that blanks out the faces in a supplied image using MachineBox's FaceBox.

MAT RYER

JOBS

Golang Engineer - Remote (Europe)

Media company Movio seeks a remote Software Engineer based in Europe.

MOVIO

Finding a Job Shouldn't Feel Like Work. Try Hired Today.

Get empowered to find the job that fits you. Try Hired.

HIRED

IN BRIEF

Gobot 1.5 Released: The Go Robotics/IoT Framework NEWS

New support for A2D devices, a new PWM (Pulse Width Modulation) interface, and support for the ASUS Tinker Board and C.H.I.P. Pro.

RON EVANS

Enabling Microservices: Containers & Orchestration Explained

All the information you need to start learning how to build modern applications with microservices.

MONGODB SPONSORED

Using Linux VM Sockets in Go TUTORIAL

A look at communicating via the (relatively) new VM sockets between a hypervisor and its VMs.

MATT LAYHER

A Go 'map' Tutorial TUTORIAL

There's a [similar tutorial for strings](#) too.

NAVEEN RAMANATHAN

If A Map Isn't A Reference Variable, What Is It? TUTORIAL

DAVE CHENEY

Concurrent Go Apps with Goroutines and Channels TUTORIAL

NIC RABOY

Go Quickstart: Helpful Tips for Experienced Programmers TUTORIAL

SEAN SWEZEY

Using 'Einstein Vision' Within Go for Object Recognition in Images TUTORIAL

SALESFORCE DEVELOPERS BLOG

Going for Go and Sticking with SQL STORY

Why Poki is ditching PHP for Go but staying with MySQL over NoSQL.

POKI ENGINEERING

An Introduction to Ponzu, a Go Headless CMS VIDEO

YOUTUBE

How Did You Convince Your Team or Manager to Try Go? OPINION

Saying that "Docker was written in Go" isn't a bad place to start.

REDDIT

Debugging a Memory Leak on Heroku

In this free e-book you will learn how to debug a memory leak on Heroku.

CODESHIP SPONSORED

Delve 1.0-rc1 Released: A Debugger for Go TOOLS

DEREK PARKER

Unofficial Native Go Runtime for Google Cloud Functions TOOLS

'Unofficial' and unsupported but built by Google nonetheless.

GOOGLE CLOUD PLATFORM

Glue: Generate Client Code for your Go RPC Servers TOOLS

TEJAS MANOHAR

Falcon: An Open Source, Enterprise-Level Monitoring System CODE

The [docs are here](#).

GITHUB.COM

An Official Go Implementation of the Ethereum Protocol CODE

Ethereum is a blockchain-based smart contract and cryptocurrency system.

GITHUB.COM

markdown: A Markdown Renderer and Static File Server CODE

GITHUB.COM

Notable: A Simple Note Taking (Web) Application CODE

JOHN MCFARLANE

dispenserd: A Fast and Reliable JSON-Oriented Job Queue [CODE](#)

BRIAN SEYMOUR

Casbin: Auth Framework Supporting Multiple Access Control Models [CODE](#)

YANGLUO

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