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## Go Newsletter

Issue 102 — March 24, 2016

### FEATURED

#### [easyjson: A Fast JSON serializer for Go](#) CODE

Marshal and unmarshal JSON to/from Go structs without the use of reflection by generating marshaller code. This keeps things fast.

*MAIL.RU*

#### [An Introduction to LLVM in Go](#)

LLVM is an infrastructure for creating compilers. This tutorial introduces LLVM's main concepts and shows how to interact with it from Go.

*FELIX ANGELL*

#### [structlayout: Visualize the Layout of a Struct](#) TOOLS

Prints the layout of a struct with the byte offset and size of each field, respecting alignment/padding. Can output JSON, ASCII diagram, or, with an extra package, SVG.

*DOMINIK HONNEF*

#### [Building Web Services in Go](#)

Start from the basics of responding to HTTP requests and continue with techniques for delivering world class web services. Learn how to build a JSON API, decode and validate the inputs, write your own middleware, and more.

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#### [go-sdl2: SDL2 Bindings for Go](#) CODE

SDL2 (a low level audio, input, and graphics library) wrapped for Go users, enabling interoperability between Go and the C-based SDL2 library.

*VE CO.*

#### [Testing Your \(HTTP\) Handlers in Go](#) CODE

You're building an HTTP-based service in Go, and you want to unit test your handler functions...

*MATT SILVERLOCK*

#### [Web App Using Microservices In Go: Part 4](#) TUTORIAL

The last in a series of tutorials about building a set of microservices in Go. Missed a part? [Part 1](#), [2](#) and [3](#).

*JACOB MARTIN*

### JOBS

#### [Software Engineer, Backend at Centralway Numbrs AG \(Zürich, Switzerland\)](#)

Centralway's vision is to create the world's leading mobile banking platform. We are looking for Golang Engineers, who are interested in changing the future of mobile banking with us.

*CENTRALWAY*

#### [Go make the world more secure!](#)

CrowdStrike is a security company focused on building the most advanced intelligence platform in the world. We use Go to help us get there, and are looking for a few good gophers to help us change the world. Interested?

*CROWDSTRIKE*

## IN BRIEF

### [A Visualization of Go Contributors over Time](#) **NEWS**

Including Googlers vs non-Googlers.

DAVE CHENEY

### [Performance Numbers with Go's SSA-Based Backend](#) **NEWS**

KEITH RANDALL

### [Building Auto-Scaling and Self-Defensive Go Services](#) **TUTORIAL**

JASON FAUCHELLE

### [Concurrency in Go - Part II](#) **TUTORIAL**

A quick look at synchronization and wait groups.

LAURA FRANK

### [Interfaces in Go: Object Oriented Go](#) **TUTORIAL**

GIAN BIONDI

### [Redis Performance Dashboard and Autoscaling from RedisGreen](#) **TOOLS**

Redis auto-scaling and analytics. Backed by support from engineers with years of Redis scaling expertise.

REDISGREEN **SPONSORED**

### [From The Database Schema to RESTful API with DinGo](#) **TOOLS**

DinGo creates a Go-based microservice-style app starting from a MySQL database schema.

MASSIMO ZERBINI

### [GoMobile: Library Development for iOS & Android](#) **TOOLS**

LOGPACKER

### [Micro: A Toolkit for Building Microservices](#) **TOOLS**

A look at Micro, an open source microservices toolkit.

ASIMASLAM

### [go-sdl2-android-example: Go-SDL2 Example Running on Android](#) **CODE**

MILAN NIKOLIC

### [redisc: A Go Redis Cluster Client Built on Top of Redigo](#) **CODE**

MARTIN ANGERS

### [SVGo: Go Language Library for SVG Generation](#) **CODE**

ANTHONY STARKS

### [Wabbit: Go AMQP Mocking Library](#) **CODE**

NEOWAY BUSINESS SOLUTION

### [BigCache: Efficient Cache for Gigabytes of Data Written in Go](#) **CODE**

Fast, concurrent, evicting in-memory cache written to keep a large number of entries without an impact on performance.

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