

Jacob Walker

Software Developer, Trainer, Community Organizer

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<https://jacob-walker.com>

10 years of development experience including **4 years** of experience with **Go**. Excellent communicator with a tech and business background. Has trained **over 1,000** developers through **43** engagements for **25** organizations across **20** cities in **5** countries.

Has served as a trainer or consulting engineer for teams at many companies including **ZipRecruiter, Intel, Oracle, Comcast, Visa, Adobe, eBay, New Relic, Bethesda, Dollar Shave Club, Hallmark Labs, Shipt, Spectra Logic, Nutanix, and Juniper**

— COMMUNITY INVOLVEMENT —

The devICT Institute 501(c)(3) — President

DEC 2012 - PRESENT

devICT is Wichita's largest developer community at 1000+ members. Our mission is to educate, empower, and connect developers in the Wichita area. As the current President I work to foster a safe and inclusive environment for anyone interested in development. I have led the team to become a registered non-profit organization. As a speaker I have presented on several programming topics as well as social issues.

GoBridge — Volunteer

MAY 2016 - PRESENT

[GoBridge](#) is a community dedicated to building bridges that educate and empower underrepresented communities to teach technical skills and foster diversity in tech. As a volunteer I have taught **5** workshops covering Go and developing web applications with Go. Workshops were taught in partnership with [Women Who Code Wichita](#), [NYC Women Who Go](#), and [Women Who Go San Francisco](#).

Ad Astra Academy — Instructor

JUN 2014 - FEB 2016

I taught workshops for aspiring web developers covering HTML, CSS, JavaScript, Ruby, Rails, TDD, and Git. I handled administrative tasks and directed the curriculum and schedule.

— EDUCATION —

Emporia State University: Emporia, KS — *Masters of Business Administration*

MAY 2010

Computer Information Systems concentration. Cumulative graduate GPA 4.0 (4=A)

Emporia State University: Emporia, KS — *Bachelor of Science in Business*

DEC 2008

Major in Management. Graduated Magna Cum Laude. Cumulative undergraduate GPA 3.83 (4=A).

— HONORS & AWARDS —

- MBA Student of the year 2010
- University high score: MBA Major Field Test Spring 2010
- Recipient, CFSS Scholarship for excellence in business (2004-2010)
- Member, Beta Gamma Sigma (business honorary society) 2007-2010

— EXPERIENCE —

Ardan Labs — *Senior Developer*

FEB 2016 - JUL 2019

Managing partner William Kennedy is available as a reference: bill@ardanlabs.com

As a Trainer I have taught **hundreds** of people the syntax, mechanics, philosophies, and practices of **Go**. I developed much of **Ultimate Service**: a comprehensive guide to building a web service in **Go**.

As a Developer I have worked on projects for small startups to Fortune 100 companies including:

- A multi-tenant financial services API (**Go**) used by large banks. Features included: encryption of all PII using **Vault** and **bcrypt**, workers consuming jobs from an **AWS SQS** queue, multiple authentication schemes, event tracking with **Prometheus**, distributed tracing with **OpenCensus** and **AWS X-Ray**.
- Multiple **Ruby on Rails** applications that use backend **REST APIs** for storage instead of ActiveRecord.
- A configuration management **Go** web application for Comcast. The application used **OAuth** through GitHub to allow authenticated users to define alerting rules and generate configs for multiple **Bosun** servers. Configs were sent to **Go** agents running on each server and tracked in **Postgres** and **Git**.
- A stock market strategy API (**Go**) which required concurrently aggregating multiple upstream APIs.
- A Go source code analyzer for enforcing team code guidelines.

Wrecking Ball Media Group — *Senior Developer*

FEB 2015 - FEB 2016

Primary **Go** server engineer for **Adobe Project 1324** which is a web platform engaging creative youths to share original pieces of work related to a particular cause. One exhibit launched on the platform was **#withmalala** which invited youth to stand with Malala Yousafzai in her campaign for girls' rights to education. A second exhibit was the 2015 Sundance Ignite Challenge. In this role I:

- Developed the server application composing a **REST API**, middleware, **Go** templating, a service layer, **SQS** job queues, logging to an **ELK** stack, internationalization, and unit and integration **tests**.
- Integrated with the APIs of several Adobe systems.
- Built Continuous Integration Deployment pipelines using **Ansible**, **Docker**, **Jenkins**, and **AWS**.

Tortugas Consulting, LLC — *Partner*

OCT 2011 - FEB 2015

Development and maintenance for custom client projects using **PHP** with **Symfony 2**, **Ruby on Rails**, and **Node.js** including a complicated commission tracking system and an e-commerce business.

TimeIPS — *Developer, Lead Developer*

OCT 2010 - FEB 2015

- Managed a team of 4 developers.
- Introduced Test Driven Development with **PHPUnit** and Continuous Integration with **Jenkins**.
- Started a process of code reviews via **Phabricator**.
- Lead the development of a **REST API**.
- Developed a system for managing a cluster of **QEMU** virtual machines.
- Revamped the build process making heavy use of **Composer**, **Gulp**, and **Bower**.

Kansas Life, Insurance Agency — *Application Developer*

NOV 2009 - OCT 2010

Emporia State University, Richel Computer Lab — *Webmaster*

JAN 2009 - MAY 2010