Jacob Walker

Software Developer, Trainer, Community Organizer

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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 **Intel, Oracle, Comcast, Visa, Adobe, eBay, New Relic, Bethesda, Dollar Shave Club, Hallmark Labs, Shipt, Spectra Logic, Nutanix, Juniper,** & **ZipRecruiter.**

— 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**

Majored 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 API**s 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