



Doug Fales

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Livingston, MT

Profile

I am an experienced software engineer who enjoys working with computers and people. Lately I have been focused on MySQL, Go, and Kubernetes.

Experience

SENIOR SOFTWARE ENGINEER - DATABASE @ HARVEST - 2018 - PRESENT

Currently handling all database operations and responsible for DB performance and reliability. Managing our bare metal DB machines while also preparing for a move to the cloud (GKE). Responsibilities include upgrades, online schema migrations, investigating performance issues at the database and application level, and writing tools to help perform these tasks. Working with developers and operations engineers to protect and improve database performance.

CREATOR/OWNER - PASSWARRIOR - 2018 - PRESENT

I developed this iOS/Android app, with a Go + MySQL backend, to help drivers in Montana during the winter months. This is a fun side-project that I've built in my spare time. I've been interviewed about it on local TV and radio news shows, and I've had many positive reviews from local users. It has been a fun and rewarding experience to provide something useful to the local community while keeping my skills sharp.

TEAM LEAD & SENIOR ENGINEER @ HARVEST - 2009 - 2018

Built numerous features for the web application. Built the Mac app, the iOS app, and the server-side API for native apps. Led numerous teams including native apps, QA, Forecast. Designed and implemented development processes for a rapidly expanding engineering staff.

OWNER & PRINCIPAL ENGINEER @ FALESFAE CONSULTING, INC - 2005 - 2009

Built web and mobile applications, provided technical guidance, and maintained legacy systems for clients. Taught a Rails course, presented at RailsConf and local user groups. Independently published several iOS and OS X apps, in addition to contract work on client apps.

SOFTWARE ENGINEER @ MERCURY INTERACTIVE - 2003 - 2005

Researched and built system monitoring software for network hardware, app servers, and various other software services.

SOFTWARE ENGINEER @ SAIC - 2002 - 2003

Built and maintained features for a large hydrographic survey software package used by the US Navy and private research vessels.

SOFTWARE ENGINEER @ BOULDER LABS, LLC - 1999 - 2001

Helped design and build embedded control software and user interfaces for Boulder area startups.

Education

University of Colorado at Boulder - B.S. Computer Science, 1999-2001
United States Naval Academy - Coursework in Computer Science, 1997-1999

Skills

Go, Ruby, C, Swift, Kotlin, Obj-C, MySQL, Java, Ruby on Rails, JavaScript, C++, Ansible, Kubernetes (CKA Certificate ID: CKA-2000-008037-0100)

Links

<https://github.com/dougfales>
<https://www.linkedin.com/in/dougfales>
<https://passwarrior.com>