## John (Jack) Brown

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Objective

Full-stack software engineering position, with the opportunity to learn and grow while contributing to an exciting project working with cutting edge technology. Open-source a plus.

**Technical** Skills

Primary: Ruby, Docker, Rails, Sinatra, Bash/sh, SQL

(MySQL/MariaDB), Redis

Familiar: JavaScript Experimental: Go, Haskell

Hobby: Embedded C (AVR), G-Code (CNC Machining),

Tools: MySQL/MariaDB, Redis, Elasticsearch, Jenkins,

Vim, OpenStack, AWS, DigitalOcean, Ansible,

Rancher, Deis

Strengths

Self-directed and -motivated Ruby/DevOps engineer

• Experienced building and managing complex, distributed systems

• Works well in teams and groups as a participant, facilitator or leader

• Experience living abroad (Middle East, West Africa), including three years with the US Peace Corps, and is comfortable working across cultural divides

- Diverse studies, including classical languages and music, Western thought, mathematics and sciences
- Well-read, articulate individual capable of clear oral and written self-expression

## **Experience**

## Software Development Engineer II, TUNE, Seattle, WA

Jul 2014—Present

https://www.tune.com

- Functions as a thought leader on a growing, post-acquisition team
- Designs and implements distributed, redundant, auditable systems for data collection, analysis, and storage
- Collaborates as part of a team of engineers developing features and services while ensuring the stability of legacy code
- Migrates code from legacy monolithic Rails app to an SOA gradually and sustainably as new features stand to benefit
- Works with product teams and executive team members to develop technical strategy in the context of efficiency and cost-benefit

## Projects include:

- DevOps work converting existing legacy applications to Docker containers, and starting new microservices as clusters of Docker containers
- International crawling, including management of hundreds of servers across 10+ countries
- Developing on-line analytics and intelligence features using a SOA ingesting downstream information from primary data acquisition and backed by Elastic-
- Performing statistical analysis on datasets to evaluate prospective approaches for presenting data to consumers
- Experimental R&D, including building Docker containers running clusters of Tor processes

**Software Engineer**, MobileDevHQ, Seattle, WA https://www.mobiledevhq.com (now TUNE)

Jan 2013—Jun 2014

- Worked on a small (2-4) team of engineers innovating rapidly to compete in an emerging market
- Self-directed work developing and maintaining distributed systems and the asynchronous processing of hundreds of millions of datapoints daily
- Successfully contributed to positioning MobileDevHQ in the market, leading to an acquisition by TUNE (see above)

**Founder/Lead Developer**, Fadidi Digital Media, Seattle, WA Nov 2012—Dec 2014 https://www.pcethiopia.org

- Web Development company specializing in developing custom Ruby/Rails solutions for Peace Corps posts worldwide
- Closed business to focus on career and personal projects/growth

**Lead Developer**, PeaceCorps|Senegal, Dakar, Senegal Feb 2011—Nov 2012 http://peacecorpssenegal.org

- Worked with staff and Volunteers at Peace Corps|Senegal to develop project concepts, visualize initial design, prototype, test and release the DigitalPost web application
- As technical consultant, worked with staff to find appropriate solutions to technical challenges

**Agroforestry Extension Agent**, Peace Corps, Senegal Aug 2009—Jan 2011 http://www.peacecorps.gov/volunteer/learn/wherepc/africa/senegal/

**Philosophy Teacher**, Brummana HS, Brummana, Lebanon Sep 2008—Feb 2009 http://bhs.edu.lb

**Academic** 

B.A. Liberal Arts, St. John's College|Annapolis, Annapolis, MD, May 2008 generated with LATEX