

J Haigh

TECHNICAL SKILLS

Programming Skills : Haskell, Rust, C++, SQL, PHP
Tools : Git, Splunk, Sumologic, Travis CI, Jenkins, Docker, Kubernetes, WebSphere, Tomcat
Databases : Postgres, MySQL, Softerra LDAP Admin

EDUCATION

University of Colorado Denver Spring 2017
- Computer Science B.S. GPA: 3.75/4

WORK EXPERIENCE

Rust Developer SearchSpring May 2018 - Present

- Rust Application — Developed new features to aggregate shopping platform data in existing Rust application
- Optimized new application to perform 25x faster than the legacy PHP code
- Setup monitoring and alerts for application errors increasing uptime
- Deployed services to Kubernetes cluster hosted on Google Cloud
- Supported new customer deployments

Freelance Software Engineer Derrick Blanton 2020 Nov. 2017 - Mar. 2018

- Haskell Application — Developed a web crawler to parse Colorado Senate & House Bill information and wrote it out to a CSV file to make the information easily accessible

Freelance Software Engineer School Board Campaign Oct. 2017 - Nov. 2017

- Rust CLI Application — Parsed Facebook friends from an html file and compared to a CSV file with voters to return a list of friends that hadn't voted yet

Freelance Software Engineer Clean Slate Now Apr. 2017 - June 2017

- Developed a platform to make Colorado politics more transparent
- More than 30,000 people will determine elections based on special interest money used in campaigns as a direct outcome of this platform

Software Engineer Intern Vantiv Nov. 2015 - Dec. 2016

- Completed ForgeRock training on Access Management
- Simulated an upgrade of ForgeRock OpenAM 11.0.0 to 11.0.3 with all supporting software and configuration on a development sandbox using VirtualBox with Ubuntu
- Automated RedHat server application testing with Expect and Crontab scripts
- Debugged application by analyzing terabytes of logs using Splunk
- Integrated software using Jenkins & deployed rollouts using WebSphere and Tomcat
- Managed single sign-on services for clients

COMMUNITY ENGAGEMENT

Haskell Book Club Facilitator Aug. 2017 - Present

- Organized Denver's Haskell Book Club to teach Haskell to developers of all experience levels by working through the exercises in "Haskell Programming from First Principles"
- Created an online iteration for developers to meet virtually once a week to get immediate help on questions in a comfortable environment

DenverFP Meetup Co-Organizer Aug. 2017 - Present

- Identified potential speakers, event sponsors, & accessible locations to hold events on functional programming topics

Boulder/Denver Rust Meetup Co-Organizer June 2018 - Present

- Identified potential speakers, event sponsors, & accessible locations to hold events for Rust

PUBLIC SPEAKING

Seriously, the Haskell Type Checker is Your Friend: a Pragmatic Approach to Working with GHC Errors — LambdaConf 2018

Rust in Production: Verbose vs Composable — Boulder Rust Meetup June 2018

Bound for Greatness: RankNTypes — Boulder Haskell Meetup August 2018