

# Chris Clark

*I have a passion for programming, designing systems, and learning with people. I help teams to be productive through clarity, vision, and teamwork.*

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## Skills

### Most Recent and Familiar

Cloud Stuff: AWS, Azure, Terraform  
Languages: Python, Bash, Clojure, Javascript, Go  
Other: Git, Docker, Packer, Ansible

### Worked with in the Past

Languages: Java, Rust, L<sup>A</sup>T<sub>E</sub>X, C, C++,  
MATLAB/Octave, CSS/LESS/SASS, Groovy, SQL  
Other: Various web frameworks (AngularJS, Vue.js), Gnuplot, Subversion

## Experience

### QA Engineer at Fugue

Jul 2015 – Jan 2019

The QA team was in charge of designing and implementing a test harness for Fugue (which was a platform for defining, creating, and monitoring infrastructure in AWS and Azure). I created much of this system, as well as a variety of general-purpose internal tooling.

- Helped to design, create, and maintain an end-to-end test harness for Fugue (mostly Python and Bash)
- Wrote an internal tool for clearing AWS accounts (Python)
- Designed and implemented a system for creating VM images in AWS (Ansible and Packer)
- Designed and implemented an Azure VM tool using Azure Resource Manager templates (Go)
- Created and maintained many continuous-integration builds in Travis and Concourse
- Came up with literate-programming system for documenting tests using org-mode (Emacs, Bash)
- Created and maintained a general-purpose tool for important internal tasks, which drastically simplified everybody's life (Python)

AWS Azure Python Bash Clojure Go Ansible Packer

### Web Developer at Wells Fargo

Feb 2015 – Jul 2015

Member of a small team creating an internal auditing and task-tracking application.

Java Spring Hibernate YUI Javascript

Mainly focused on two business ventures:

- Partnered with a small team of entrepreneurs to create a web application pairing high-level executives with new opportunities.
- Worked with a medical clinic to create a multi-user web application which maintains an audit trail of communications between doctors, patients, nurses, and call centers.

MEAN stack

docker

Java 8

MySQL

Bash

L<sup>A</sup>T<sub>E</sub>X

## Consultant at Red Hat

Aug 2011 – May 2014

### ◦ GEICO

Aug 2012 – May 2014

Maintained various web services and site features. Also helped to create an internal error-tracking application using Grails and AngularJS.

Java 6

JBoss

jBPM

Hibernate

MyBatis

Grails

AngularJS

### ◦ Cigna

Nov 2011 – July 2012

Member of a two-person team brought in to help overcome difficulties using a rules engine for an internal application for deducing customer information.

Java 6

JBoss Drools

### ◦ Kohl's

Aug 2011 – Nov 2011

Sole developer in charge of porting functionality from the desktop site to a website for kiosk machines. Also implemented new UI features as requested by a UI requirements team.

Java 4

JSP

## Education

UNIVERSITY OF VIRGINIA, School of Engineering and Applied Science, Charlottesville, VA  
B.S. in Computer Science, May 2011

- |                                   |                         |                         |
|-----------------------------------|-------------------------|-------------------------|
| ◦ <i>Math</i> : Calculus II, III, | ◦ Computer Networks     | ◦ Theory of Computation |
| Discrete Math, Differential       | ◦ Operating Systems     | ◦ Algorithms            |
| Equations, Probability,           | ◦ Digital Logic Design  | ◦ Computer Vision       |
| Linear Algebra                    | ◦ Computer Architecture |                         |

## Outside of Work

I enjoy family time, quiet time, reading, learning. and doing CrossFit or any kind of sports.

- I designed, created, and maintain <http://lenaclarklegal.com> for my wife's legal practice (deployed on AWS)
- UVA Varsity Cross Country, Track & Field