

# 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, GNU Make, Packer, Ansible, Vue.js, Webpack

### 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:** AngularJS, 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, Bash, and Fugue’s functional language: Ludwig)
- Wrote an tool for clearing AWS accounts (Python)
- Designed and implemented an immutable-infrastructure approach for creating test VM’s in AWS (Ansible and Packer)
- Created an Azure VM tool using Azure Resource Manager templates (Go)
- Created and maintained many continuous-integration builds in Travis and Concourse
- Devised a literate-programming approach for running and documenting tests (org-mode)
- Created general-purpose tool to automate a variety of important internal tasks, drastically simplifying 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

Primarily focused on two business ventures:

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

MEAN stack

Docker

Java 8

Scala

MySQL

Bash

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

- *Client: GEICO*

Aug 2012 – May 2014

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

Java 6

JBoss

jBPM

Hibernate

MyBatis

Grails

AngularJS

- *Client: Cigna*

Nov 2011 – July 2012

Worked on an application for inferring customer information using a rules engine.

Java 6

JBoss Drools

- *Client: Kohl's*

Aug 2011 – Nov 2011

Sole developer in charge of porting functionality from the main website 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*

- *Math:* Calculus II, III, Discrete Math, Differential Equations, Probability, Linear Algebra
- Computer Networks
- Operating Systems
- Digital Logic Design
- Computer Architecture
- Theory of Computation
- Algorithms
- Computer Vision

## Outside of Work

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

- I designed, created, and maintain <http://lenaclarklegal.com> for my wife's legal practice (deployed on AWS)
- President of my HOA
- As a former runner for the UVA varsity Cross Country and Track & Field team, I try to keep up with moderate running