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, LaTeX, 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 a system 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 using org-mode (Emacs, Bash)
- Created general-purpose tool to automate a variety of important internal tasks, drastically simpliflying 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`

Startup Entrepreneur — May 2014 – Aug 2015

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` `LaTeX`

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*

  Worked on an internal application for inferring customer information with a rules engine (an "expert system").

  `Java 6` `JBoss Drools`

- *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)
- As a former runner for the UVA varsity Track & Field team, I try to keep up with moderate running
- President of my local HOA