

Chris Clark

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

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Skills

Most Recent and Familiar

Programming Languages: Python, Bash, Lisp

Tools and Services: Kubernetes, Git, Docker, AWS, Azure, Terraform, AWS CDK

Worked with in the Past

Programming Languages: Go, Rust, Javascript, Java, Haskell, L^AT_EX, C, C++, MATLAB/Octave, CSS/LESS/SASS, SQL

Tools and Services: Ansible, Packer, Webpack

Experience

Cloud Engineer at IronNet

March 2019 – Present

I am a member of the **Cloud Infrastructure** team at IronNet; our team oversees cloud-related endeavors and also develops internal tooling. Some things that I personally worked on:

- Designed and implemented a new data-ingest pipeline that leverages AWS managed services (like ALB, Kinesis, and ECS) in order to be more scalable and reliable than previous designs.
- Created and improved various internal tooling (mostly in Python) for things like:
 - Managing Kubernetes clusters
 - Deploying applications (usually to Kubernetes)
 - Creating AWS accounts
 - Maintaining cross-account permissions
 - Generating test data
 - Leveraging AWS spot instances

Python

Go

Bash

Kubernetes

helm

AWS

Azure

Terraform

QA Engineer at Fugue

Jul 2015 – Jan 2019

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

- Helped design and create an end-to-end test harness for Fugue (Python, Bash, Go)
- Wrote a utility for completely clearing AWS accounts (Python)
- Created an automated pipeline for building test VMs in AWS and Azure (Ansible, Packer, Go,

Azure Resource Manager)

- Created CI builds in Travis and Concourse
- Devised a literate-programming approach for running and documenting tests

Python

Bash

Clojure

Go

Haskell

AWS

Azure

Ansible

Packer

Concourse

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 – Jan 2015

Primarily focused on two business ventures:

- Partnered with a small team building a recruiting platform for high-level executives.
- Worked with a medical clinic to create a multi-user web application for maintaining 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

As a consultant, I traveled to client sites and worked on a variety of projects that Red Hat was involved with. Mostly, this involved integrating the JBoss suite of products which Red Hat had recently acquired.

- *GEICO* – Helped to build and expand web services. Also helped to create an internal error tracking and aggregation platform using Grails and AngularJS.
- *Cigna* – Worked on an application for inferring customer information using a rules engine.
- *Kohl's* – Sole developer porting the main website to a website for kiosk machines.

Java

JBoss

JBoss Rules

jBPM

Hibernate

MyBatis

Grails

AngularJS

Education

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

Outside of Work

I enjoy family time, baby time, reading, learning, and playing sports, especially with other people.

- I like playing around with Emacs and Elisp
- Help with IT-related tasks at my wife's company
- President of my HOA
- I love doing any kind of sports