CLAY RISSER

DevOps Engineer

CONTACT

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https://github.com/clayrisser

EDUCATION

BOB JONES UNIVERSITY
Greenville, SC
Computer Science (Aug 2016)

TECHNOLOGIES

Kubernetes
Docker
Unix / Linux
NodeJS / Express
React / React Native
Terraform
Ansible
AWS / EKS / EC2
S3 / RDS / SES
CloudFormation
Azure / AKS
Google Cloud / GKE

LANGUAGES

TypeScript
JavaScript
Python
GoLang
Java
C/C++
Shell / Bash
Makefile

CAREER OBJECTIVE

I am a detail-oriented professional with 10+ years of experience and a proven knowledge of Kubernetes, AWS, server architecture and internet infrastructure.

I am comfortable with many programming languages, including GoLang, Python, TypeScript, JavaScript, Java and C/C++. I have published hundreds of npm modules, several python pip modules and even a few ruby gems.

While I have deep knowledge and experience in several domains, I am extremely passionate about Kubernetes. I am aiming to leverage my skills to successfully fill the DevOps Engineer role at your company.

EXPERIENCE

LEAD DEVOPS ENGINEER
QuickCam LLC, Austin, TX / 2021 - 2023

- Implemented robust DevOps solutions using Kubernetes (EKS, Kops, Rancher)
- Created CI/CD pipelines using GitLab CI/CD and GitHub actions
- Deployed and managed production databases, such as Postgres and MongoDB
- Architected dozens of their end-to-end software systems

LEAD DEVOPS ENGINEER
Nueve Solutions, Austin, TX / 2018 - 2021

- Lead DevOps architect of several large projects with Q2, Experian, Stanford Federal Credit Union and Wise (formerly TransferWise)
- Built private company intranet on Kubernetes (EKS) containing code servers, build servers, authentication systems, email servers
- Architected dozens of end-to-end deployments

SOFTWARE ENGINEER
General Motors, Austin, TX / 2017 - 2018

- Improved existing build systems
- Developed new features using TypeScript and React
- Wrote unit tests to increase code coverage, fixed bus, and optimized code

LEAD DEVOPS ENGINEER
GroupThreads, Austin, TX / 2016 - 2017

- Scaled the platform by migrating it to Docker and Kubernetes (EKS)
- Managed development and production environments in AWS
- Architected Elasticsearch to tail system databases and provide a fast, secure and stable product search engine
- Successfully migrated OneGreek platform to AWS after an acquisition

SOFTWARE DEVELOPER
Self-Employed, Greenville, SC / 2012 - 2016

DATABASES

Postgres
MySQL / MariaDB
Microsoft SQL Server
MongoDB
OpenLdap
Active Directory
ElasticSearch
Redis

PROTOCOLS

OpenID / OAuth 2.0
SAML
LDAP
GraphQL
REST
SOAP
XMPP
IMAP
SMTP

OPEN SOURCE

I have programmed over 400 open source projects. Most of these projects relate to improving the software development process in one way or another. You can view all of my code at *github.com/clayrisser*. I have listed a few of my favorite projects below.

CHARTS
github.com/clayrisser/charts

I included this project because it demonstrates my general knowledge of Kubernetes. This project contains dozens of helm charts I have been building since 2018. It is by far the project I have most actively contributed to, containing over to 4,000 commits mostly written by myself.

PATCH OPERATOR
github.com/clayrisser/patch-operator

I included this project to demonstrate my extensive knowledge of Kubernetes. This is one of several Kubernetes operators I have written. The patch operator enables me to patch 3rd party helm charts without having to fork and maintain them myself.

LINUX FACTORY
github.com/clayrisser/linux-factory

I included this project mainly because it is the communities' favorite project and demonstrates my deep understanding of Linux. With over 250 stars on GitHub, it is my most starred project. It is a framework for building highly customizable Linux distributions designed to offer flexibility, decoupling, and ease-of-use. I used it to create my personal operating system that I use daily.

TERRAFORM RANCHER KOPS
github.com/clayrisser/terraform-rancher-kops

I included this project to demonstrate my experience using Terraform, Kubernetes, Kops and Rancher.

SPHINX MARKDOWN BUILDER
github.com/clayrisser/sphinx-markdown-builder

I included this project because it is a heavily used project by the community that demonstrates my experience using Python. This project renders markdown files from sphinx documentation.

REACT AST
github.com/clayrisser/react-ast

I included this project because it is one of the most innovate projects I have written. It is also another community favorite. This project renders abstract syntax trees using react. It enables me to write composable code generates. I use this project to dynamically generate the react gtk codebase from gir files.

IDEMPOTENT BABEL POLYFILL
github.com/clayrisser/idempotent-babel-polyfill

I included this project because it is my most downloaded project with over a million downloads. It is not very impressive, containing only 10 lines of code, but it solved a problem a lot of people faced. Essentially it enables babel-pollyfill to be idempotent