

Raphael Deem

raphael.deem@gmail.com | 503.740.8347

LINKS

 rOfIs

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SKILLS

PROGRAMMING

Advanced:

Python • Go • Javascript

Intermediate:

SQL • BASH • Ruby • C++ • C

HTML/CSS • Android • Java

Familiar:

PHP • R

CI/CD SYSTEMS

Gitlab • Travis • Jenkins

MONITORING & ALERTING

Prometheus • Grafana • Pagerduty

CONTAINERS

Kubernetes • Docker

EDUCATION

REED COLLEGE

BA IN MATHEMATICS

May 2010 | Portland, OR

Produced thesis covering error-correcting codes used in communications engineering.

DE LA SALLE NORTH CATHOLIC

May 2005 | Portland, OR

Funded tuition for four years by participating in an experimental, immersive work study program. First graduating class.

PROJECTS

Sanic (maintainer): python3 asynchronous web-framework modeled from Flask.

Gostats (creator): golang package for generating random numbers from non-unified distributions.

alb-ingress-controller (developer): golang ingress controller utilizing AWS ALBs; official LB for EKS.

ABOUT

I am a systems and backend engineer, and a golang and python afficianado. I enjoy working with kubernetes and containers.

EXPERIENCE

TICKETMASTER | SYSTEMS ENGINEER III

May 2017 - Present | Remote

- Architected and engineered system for attributing kubernetes workload costs to product teams, using prometheus, golang and the spotinst API.
- Designed and created end-to-end tests to verify kubernetes cluster functionality and report on SLAs, using golang, bash, and prometheus.
- Deployed the upstream nginx-ingress-controller as a cost-saving alternative to our internally developed alb-ingress-controller, using helm and gitlab ci/cd.

PLATFORM.SH | INFRASTRUCTURE ENGINEER

May 2016 - May 2017 | Remote

- Automated deployment of high-availability enterprise clusters, using python fabric and mako templates.
- Created command line tool for managing fastly CDN services.
- Added support for Postgresql high availability clusters, using puppet and bidirectional replication.

SELLERENGINE SOFTWARE | AUTOMATION ENGINEER

Mar 2015 - May 2016 | Portland, OR

- Automated daily upload of sales and return data to our accounting system using Python.
- Developed software to extract and process bi-weekly payroll data using Python and PostgreSQL.
- Influenced and designed accounting methodology and techniques.

YOUR SUPPLY COMPANY | CTO

Aug 2014 - Sep 2015 | Portland, OR

- Designed and hosted website (yoursupply.co) using Apache, Linux and Bootstrap CSS.
- Wrote and deployed python scripts to scrape listing data from Amazon.

HURON CONSULTING | SQL DEVELOPER

Oct 2013 - Aug 2014 | Lake Oswego, OR

- Implemented and customized bolt-on software for healthcare information systems.

DUNTHORPE MARKETING | DATA SPECIALIST

Mar 2013 - Oct 2013 | Portland, OR

- Automated weekly reporting of Salesforce metrics using Visual Basic and the Salesforce API.

STREAM GLOBAL SERVICES | NETWORKING SPECIALIST

Oct 2011 - Mar 2013 | Beaverton, OR

- Used traceroute, ping, and other command line tools to troubleshoot issues with internet connectivity.