Matthew Lam

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WORK

Google   **2022/02 – PRESENT**
Software Engineer, Site Reliability Engineering — Corp Compute and Storage SRE   New York, NY
Python, Golang, Kubernetes, Terraform
- Implemented virtual machine lifecycle workflows for an internal Compute Service in Python.
- Developed CLI and Terraform Provider for user-friendly interaction with the Compute Service API.
- Designed and implemented REST service to respond to Kubernetes authz requests in Golang.

Oracle Cloud Infrastructure   **2020/01 – 2022/02**
Senior Member of Technical Staff — Developer Services Analytics   Seattle, WA
Java, Python, Kubernetes, Terraform
- Developed an internal analytics service to track API usage of Oracle Cloud Infrastructure in Python and Java.
- Improved scalability and reduced operational risk by replacing cron based scheduler with work queue using competing consumer pattern.
- Integrated service with OCI monitoring, alarming, and logging to monitor application health.
- Wrote Helm Chart to deploy service to Kubernetes (OKE) via Terraform.

F5 Networks   **2016/03 – 2020/01**
Software Engineer III — Rapid Development Team   Seattle, WA
C, Python, Flask, Ansible
- Designed and implemented BIG-IP feature to manage core dump files, preventing loss of information necessary to diagnose why the core occurred.
- Developed Continuous Integration Pipeline in Python to perform Build, Test, and Integration for maintenance releases.
- Implemented F5 Bug Tracker backend for customers to self service check status of bugs instead of creating a support request.
- Wrote Python script to generate F5 Log Messages Reference for customers to better understand the conditions, impact and recommended actions for various warnings and errors in their logs.
- Maintained Perl script to interact with various apis and generate release notes for BIG-IP maintenance releases.
- Contributed to F5 ansible's bigip_device_dns and bigip_hostname modules.
- Implemented scripts that utilize GDB's Python-API to automate running of necessary commands.

INTERN

F5 Networks   **2015/06 – 2016/03**
Rapid Development Team   Seattle, WA

GoldSim Technology Group   **2013/06 – 2013/09**
Intern   Issaquah, WA

SCHOOL

Western Washington University   **2011 – 2015**
Computer Science, BS