

Dennis Zhang

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PleaseNoDDoS.com

SUMMARY OF QUALIFICATIONS

- 3+ years of top-tier on-call production support for a monolithic and micro-services SAAS products hosted on private and public cloud as an SRE/DevOps Engineer
- Experienced with multiple infrastructure as code tools in addition to software development and CS background
- Proficient with administering, optimizing, and troubleshooting software running in Linux VMs, Docker, and Kubernetes

SKILLS

- Kubernetes
- Puppet/Ansible
- Python
- RabbitMQ
- Terraform
- Docker
- My/PostgreSQL
- Elasticsearch

EMPLOYMENT EXPERIENCE

Site Reliability Engineer

June, 2021 – Present

Gorgias

Fully Remote (USA)

- Maintain public cloud infrastructure, monitoring and alerting, DNS, etc. using Terraform; empower development teams by providing modules and reusable code
- Track, evaluate, and enforce security requirements and vulnerabilities; implemented security and package scanning as part of CI
- PostgreSQL, RabbitMQ, and Elasticsearch tuning, capacity planning, and management; constantly improve performance and maintainability
- Support Python multi-cluster micro-services with Flask and Celery framework running on Kubernetes; ArgoCD with Helm for deployments and easy rollbacks

DevOps Engineer II

June, 2018 – May, 2021

UKG (Ultimate Software)

San Francisco, CA, USA

- Architected and implemented automated back up and restore system
- Containerized Python web application and Celery workers through Docker for development, CI and future production
- Designed, implemented, and enforced SQL schema migration policy through automation to allow for seamless schema changes as part of deployment
- On-call to resolve production alerts and firefight unexpected problems; improve alerting and monitoring with Sensu, Telegraf, PagerDuty and Ansible
- Configure and maintain dependencies such as Redis, MySQL, MongoDB, Elasticsearch, RabbitMQ, HAProxy, Nginx and Apache HTTPD using Puppet

EDUCATION

Bachelor of Computer Science, Honours, Co-op

2018

University of Waterloo

Waterloo, ON, Canada

PROJECTS & HOBBIES

Kubernetes HomeLab

- K3s clusters managed with Terraform and Ansible for personal website and web applications hosting
- Contributed to multiple open source Helm charts