

William Wang

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Experience

Senior Member of Technical Staff

Sep 2022 – present

Oracle – Oracle Cloud Infrastructure, Physical Network Automation

- Developing internal tools and distributed workflows enabling network engineers to safely automate physical network changes and expansions

Member of Technical Staff

Sep 2020 – Sep 2022

Oracle – Oracle Cloud Infrastructure, Physical Network Automation

- Owner of Zero Touch Provisioning (ZTP)/DHCP services for all OCI data center networks
- Authored an extensible canary framework to perform continuous black box integration testing of production microservices team-wide
- Served as on-call SRE supporting both commercial and US DoD IL5 resources

Cloud Software Engineer

Jul 2018 – Sep 2020

Schlumberger – 3D Visualization

- Helped build out a 3D visualization-as-a-service solution for massive O&G datasets (100GB+)
- Supported growth from ~10-user MVP to 200+ concurrent users in production
- Served as on-call SRE by profiling and diagnosing distributed service degradations, instrumenting service level indicators, and monitoring error budgets
- Minimized team day-to-day operational toil by automating build, release, and cloud infrastructure deployment workflows

Skills

Languages

- Proficient: Python, TypeScript/JavaScript, Java, HCL
- Familiar: Shell, Go, HTML/CSS, SQL, C

Concepts

- TCP/UDP/IP, HTTP/S, REST, DHCP, ZTP, DNS, BGP, PKI
- SRE, SLI/SLO/SLA, IaC

Tools

- Linux, Git, Docker, Kubernetes, Terraform, Ansible, Vagrant
- NGINX, Jinja, ExaBGP, Wireshark
- React, Angular, Vue.js, jQuery, MongoDB
- Google Cloud Platform, Azure DevOps, PagerDuty

Education

B.A. Computer Science

Aug 2014 – May 2018

Rice University