

KEFEI SU

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 github.com/kefeisu

SKILLS

- **Technologies:** AWS / Azure / GCP / Docker / Kubernetes / Ansible / SpringBoot / Jenkins / Hibernate / Git / Linux / Datadog / Vault / Consul / Rancher
- **Languages:** Java / Python / C / C++ / SQL / Bash / Javascript

EXPERIENCE

Solace	BACKEND & DEVOPS DEVELOPER	May 2019 - Present
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<ul style="list-style-type: none">▪ Redesigned entire monitoring stack by leading the adoption of Datadog, simplifying technologies used by replacing Graphite, Grafana, logz.io, Filebeat, Kibana and Sensu.▪ Built tools using Ansible and Jenkins to manage the deployment of datadog agents across our production infrastructure to monitor thousands of EC2s, Azure VMs and k8s clusters.▪ Modularized Jenkins jobs and Ansible Playbooks, helping reduce weekly deployment downtime from 2hrs to under 30mins.▪ Designed, built and maintained RESTful backend microservices in Spring Boot, Hibernate and MySQL.		
Solace	SOFTWARE ARCHITECT INTERN	Jan 2019 - Apr 2019
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<ul style="list-style-type: none">▪ Designed and deployed on-premise Vault (Hashicorp) cluster with consul backend in k8s rancher to securely store secrets (API Keys, Tokens, Cloud Credentials) in order to achieve SOC2 compliance.▪ Improved design of HA infrastructure in Azure using availability sets, allowing HA support in over a dozen new Azure Regions.		
Nuance	BACKEND DEVELOPER INTERN	Sept 2018 - Dec 2018
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<ul style="list-style-type: none">▪ Created REST endpoint allowing enterprise costumers to create and run projects on Nuance's NLP & NLU platform (MIX) with older versions of software, eliminating the need to update project version.▪ Changed implementation of persistent data storage and applied database schema migrations to replace BLOBs with a call to an endpoint for MIX, eliminating Azure BLOB database incompatibilities.▪ Developed new commands for MIX's Command Line Interface.		
BlackBerry	SOFTWARE DEVELOPER INTERN	Jan 2018 - Apr 2018
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<ul style="list-style-type: none">▪ Piloted new crash-testing methods to analyze the low memory performance and proposed improved memory management strategies for lower-end BlackBerry phones.▪ Processed, aggregated and summarized Android log data to monitor the performance and battery life of in-development Blackberry phones using Javascript and Python.▪ Reduced load time of webpages by restructuring legacy project and converting server-side Python scripts to output JSON instead of generating webpages using file-writes.		

EDUCATION

Sept 2015 - Apr 2019

- **University of Waterloo** — Bachelors of Computer Science