Stephen Guo

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📱 (437) 231-1263   ⚙ Github   in Linkedin

TECHNICAL SKILLS

Languages: JavaScript/TypeScript, Python, Java, Rust, C, Bash/Shell, SQL
Libraries/Frameworks: Flutter, Bootstrap, Svelte, React, Next.js
Other: Kubernetes, Helm, Terraform, Pulumi, AWS, GitLab CI, Docker, Unix/Linux, Git, Vim

EXPERIENCE

BlueCat Networks   **North York, ON**
Software Engineer Co-op   May 2021 - April 2022

- Deployed and configured **Kubernetes** clusters using **Helm**, **Helmfile**, **Makefile**, and **GitLab CI**, resulting in automated and safe deployments to production
- Created and demoed a **Python** query microservice using **Trino**, **SQL**, **Docker**, and **Apache Airflow**, producing daily reports efficiently from terabytes of data
- Wrote horizontal pod autoscalers for a Helm chart, and created Kubernetes node groups with vertical pod autoscaling, increasing our service's max load by over $9\times$
- Configured and conducted code reviews of **AWS** EKS, IAM roles, and VPC, using **Terraform** and **Terragrunt**, resulting in secure and efficient role managment
- Documented a full step-by-step guide for **Prometheus** alertmanager on Confluence, allowing for instantaneous Slack alerts from error reports

PROJECTS

Alkitab   ⚙ Github   ▶ Demo

- Developed an EPUB sharing platform in a team of 2 using **Svelte**, **Bootstrap**, **TypeScript**, **MongoDB**, **Express.js**, and sockets
- Deployed to the Linode cloud service using **Docker**, **Kubernetes**, **Helm**, and **Pulumi**, along with **NGINX** Ingress Controller for HTTPs, allowing for safe and easy-to-understand deployments

ShopLazy   ⚙ Github   ▶ Demo

- Collaborated with a team of four to create a cross-platform application during Hack the North 2021 with **Flutter**, **Dart**, and **Firebase**
- Discussed designs and created a blueprint of the app with the team, resulting in a simple-to-use and intuitive user interface

Rust Recipe Gallery   ⚙ Github

- Created a fullstack web app fully in **Rust** with **PostgreSQL Tailwind CSS**, and server side rendering
- Fully end-to-end tested using **Playwright**, fixing bugs and increasing developing efficiency

EDUCATION

University of Toronto   **Toronto, ON**
HBSc. in Computer Science Specialist   Expected Graduation: April 2024
cGPA: 3.51 / 4.0