

Stephen Guo

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🐙 Github

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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×
- Configured and conducted code reviews of **AWS EKS**, IAM roles, and VPC, using **Terraform** and **Terragrunt**, resulting in secure and efficient role management
- 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** and **Tailwind CSS**, and server side rendering
- Fully end-to-end tested using **Playwright**

EDUCATION

University of Toronto

Toronto, ON

HBSc. in Computer Science Specialist

Expected Graduation: April 2024

cGPA: 3.51 / 4.0