

Stephen Guo

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🐙 Github

in LinkedIn

TECHNICAL SKILLS

Languages: Java, Python, JavaScript/TypeScript, C, Bash/Shell, SQL, Haskell

Libraries/Frameworks: Flutter, Bootstrap, Svelte

Other: Kubernetes, Helm, Terraform, Pulumi, AWS, GitLab CI, Docker, Unix/Linux, Git

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**
- Created 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 **AWS** EKS, IAM roles, and VPC using **Terraform** and **Terragrunt**, resulting in automated and safe deployments to production
- *ADD SOFT SKILL? wwriting docs>??>?*

PROJECTS

Alkitab

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- Developed an EPUB sharing platform in a team of 2 using **Svelte**, **Bootstrap**, **TypeScript**, **MongoDB**, **Express.js**, and **Socket.IO**
- Deployed to the Linode cloud service using **Docker**, **Kubernetes**, **Helm**, and **Pulumi**, allowing for safe and easy-to-understand deployments
- Used the cert-manager Helm chart on our **NGINX** ingress controller, resulting in automated securing of our domain

ShopLazy

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- Collaborated with a team of four to create a cross-platform application during Hack the North 2021 with **Flutter**, **Dart**, and **Firebase**
- Discussed and created a blueprint of the app design with the team *maybe change this? or reword*
- Planned and designed a simple-to-use, intuitive user interface using the Material UI library

EDUCATION

University of Toronto

Toronto, ON

HBSc. in Computer Science Specialist

Expected Graduation: April 2024

cGPA: 3.55 / 4.0