

# Bill Song

Software engineer with experience in Cloud Infrastructure, looking to explore backend/frontend development in the product world!

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## Work Experience

**Associate Infrastructure Engineer – Cloud Tooling** Canva Feb 2023 – June 2024

- Implemented secure end-to-end reverse proxy access to Pinecone databases, extending in-house sshserver implementation and internal command line tool and interacting with internal micro-service via self-service to implement zero-trust authentication policy.
- Dramatically reduced operational overhead by contributing to ECS → EKS migration of Teleport → deployment in multi-region multi-account AWS environment.
- Reducing technical debt by contributing to Python Golang migration effort in internal command line tool.

**Intern Infrastructure Engineer – Cloud Tooling** Canva Nov 2021 – March 2022

- Introduced CI/CD Pipeline to internal browser extension used by 500 employees.
- Improved delivery workflow, 80% reduction in manual steps.

**Teaching Assistant – Blockchain 752** University of Auckland May 2021 – November 2021

- Preparing course content for a inaugural post-graduate Blockchain course.
- Providing technical support for tutorials on blockchain technology via Amazon EC2 instances, and on blockchain platforms CENZZnet and TCS Quartz.

## Education

**University of Auckland** Class of 2022

- BE(Hons), Software Engineering GPA 7.8/9 (A/A- Average)
- DipLang, French GPA 7.5/9 (A/A- Average)

**Westlake Boys High School** Class of 2018

- NZQA Outstanding Scholar Top 60 students in NZ, NZD\$15,000 awarded
- NZQA Scholarship Exams 1 Outstanding grade (top 0.3%)  
8 Scholarship grades (top 3%)

## Community Involvement

**Online Administrator, Online Assistant** University of Auckland Snowsports Club 2022–2023

- Fixed long-standing succession problem with UASC website, leveraged network to develop robust custom solution in collaboration with WDCC

## Interests

- Snowboarding, Skateboarding, Music(Currently learning Harmonica), Climbing, Photography
- 1st place Ngauruhoe Cup Slalom Snowboard Open 2022
- 2nd place Mt Ruapehu Photography Competition 2021

References available on request