

# Bill Song

Software engineer specialising in infrastructure and cloud engineering.

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## Work Experience

### Associate Infrastructure Engineer - Cloud Tooling

Canva Feb 2023 - June 2024

â€¢ 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.

â€¢ Dramatically reduced operational overhead by contributing to ECS â€™ EKS migration of Teleport â€™ deployment in multi-region multi-account AWS environment.

â€¢ 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

â€¢ Introduced CI/CD Pipeline to internal browser extension used by 500 employees.

â€¢ Improved delivery workflow, 80% reduction in manual steps.

### Teaching Assistant - Blockchain 752

University of Auckland May 2021 - November 2021

â€¢ Preparing course content for a inaugural post-graduate Blockchain course.

â€¢ 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

â€¢ BE(Hons), Software Engineering  
GPA 7.8/9 (A/A- Average)

â€¢ DipLang, French  
GPA 7.5/9 (A/A- Average)

### Westlake Boys High School

Class of 2018

â€¢ NZQA Outstanding Scholar  
Top 60 students in NZ, NZD\$15,000 awarded

â€¢ 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

â€¢ Fixed long-standing sucession problem with UASC website, leveraged network to develop robust custom solution in collaboration with WDCC

## Interests

â€¢ Snowboarding, Skateboarding, Music(Currently learning Harmonica), Photography

â€¢ 1st place Ngauruhoe Cup Slalom Race Snowboard Open 2022

