

# RYO NISHIKAWA

DevOps Engineer

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Currently working at a scale-up company Onside for in-housing aws infrastructure from the outsourcing company involving cloudflare (DNS and WAF), Load balancers, EC2 instance, S3 and AWS RDS, using terraform for IaC and using datadog for monitoring, also running the experimental project to deploy to azure load balancer, azure with azure vm, blob storage and sql azure.

## WORK EXPERIENCES

### DevOps Engineer

Onside | 2023 - Present

Web Portal and Mobile app management for bio security.

- Migrated Build pipeline from TeamCity and Deployment pipeline from Octopus Deploy to Azure Pipeline across multiple environments with single CI/CD pipeline with multiple stages to ensure fast CI/CD pipeline.
- Migrated the company website using azure app service to implement zero downtime deployment with high availability across australia.

### Software Engineer

HealthStream | 2022 - 2023

Data platform for capacity management

- Created automated CI/CD pipelines across multiple environments and release processes using IaC (Pulumi/Terraform), and Azure DevOps including fully automated test procedures ensuring that HIPPI (Health Insurance Portability and Accountability Act) is met.
- Implemented cloud-based streaming event pipeline to process messages from external systems into S3 bucket, MongoDB, AWS Lambdas and Sagemaker via MSK topic through MSK to create forecasts of data.

### Junior Software Engineer

Wyma Solutions | 2021 - 2022

Data monitoring project and Image processing project

- Created stable Python program to frequently read the data off PLC using cppio and save them to the oracle cloud influxDB database using telegraf plugin
- Setting up grafana in oracle cloud with InfluxDB to visualise the data Using docker container
- Pysimplegui to configure mapping of PLC tags to the influxDB measurement
- Opencv2 to calculate the cutting point of the carrot's crown by identifying the shape and direction
- Vuejs + Flask to create the UI for changing the parameters of the camera/image settings
- ansible-playbook to install dependencies and setup the environments of the ubuntu pc that reads data from
- CI/CD of creating new docker image of our custom grafana app and deploying it to Oracle Cloud.

## PERSONAL PROJECTS

### Rugby draw Website

Open Source

This is currently ongoing project that I am working on, the current website for our local rugby matches are not that great, so I am making a website that looks much better such as you can see the draw and results for the whole season of certain club, you can search player to see who he/she plays for etc

### Sudoku solver

Open Source

Using recursion to solve any sudoku puzzle instantly. Good practice for backtracking as well.

### Garage door opener

Open Source

Our Landlord gave us only 1 garage door key and we have to pay extra to make more so my flat mate and I have created garage door opener webapp using jQuery and Python (Flask), I have also used OpenCV and raspberry camera module to check if the garage door is open or not

## TECH STACK

JavaScript/Vue/Node  
Python/Java/C  
InfluxDB/PostgreSQL/MySQL/  
MariaDB  
MongoDB  
Oracle Cloud  
AWS  
Terraform/Pulumi  
AWS Lambda/MSK

## EDUCATION

BSc in Computer Science  
University of Canterbury  
2018 - 2020

## AWARDS

Came 2nd in HackChch - 48 Hour  
Smart City Hackathon

## LANGUAGES

English (Fluent)  
Japanese (Native)

## INTERESTS

Any sports especially Rugby  
Power lifting/Crossfit  
Neovim