

Williams Kwan

OVERVIEW

Hi, I am a Frontend engineer with experience in Backend development and deployment infrastructures. I develop high quality and maintainable web applications. I push forward ideas to improve codebases. I am looking to join a team that puts heavy emphasis on developer productivity and challenges me on a daily basis.

EXPERIENCE

Cadmus, Australia — Web Developer

Mar 2019 - PRESENT

Cadmus is an online assessment platform for teachers and students.

Responsibilities

- Write maintainable and high performing Single Page App (SPA) using **React** in **Typescript** used by thousands of students and teachers.
- Facilitates communication between designer and Backend developers (**Elixir** + **Phoenix**)
- Manager of our design system (**Storybook** + **Styled Components**)
- Manager of marketing website (**NextJS** + **Contentful**)
- Write tests to automatically catch errors (**Testing-Library** + **Jest**)
- Keep up with the latest technologies and frameworks and apply them when appropriate

Rome2Rio, Remote — Data Researcher

Dec 2017 - Mar 2019

Door-to-door travel information and booking engine, helping users to get to and from any location in the world.

Responsibilities

- Research route information in Japanese and translate data into English
- Input, maintain and retrieve data using computer systems
- Ensure information is collated and stored in an accurate and efficient manner

CONTACTS

Email

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Website

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Linkedin

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Github

<https://github.com/williamsk91>

FRONTEND

Typescript, React, Redux, Storybook, Apollo (GraphQL), Styled Components, NextJS, Testing-Library, Jest, HTML, CSS, and JS

BACKEND

NodeJS, Express, Apollo (GraphQL), Elixir, Phoenix, Absinthe, Ecto, PostgreSQL, DynamoDB, MongoDB, OAuth, JWT, and Firebase

DEPLOYMENTS / SERVICES

AWS S3, CloudFront, Lambda, CloudWatch, APIGateway, Heroku, Vercel, Netlify, Github Actions, Travis CI, Contentful, and Sentry

OTHER PROGRAMMING LANGUAGES

Rust, C, Python, and Haskell

LANGUAGES

Fluent English
Conversational Japanese
Native Bahasa Indonesia

PROJECTS

These projects are saved in Github private repositories. Please share with me your github username or email and I will be more than happy to add you as a collaborator.

Overcast — your personal *calendar*

Overcast (<https://overcast.life/>) is a calendar with a built in task list. Organise your schedules and tasks all in one place.

Frontend

- React (Typescript)
- Styled Components
- Apollo (GraphQL)
- FullCalendar

Backend

- NodeJS (Typescript)
- TypeGraphQL
- PostgreSQL
- Apollo Server
- Express
- OAuth + JWT

Services

- Vercel
- Heroku
- Figma
- Drift

KamiNote — an evolving *organisation tool*

KamiNote (<https://kaminote.io/>) is an all in one organisation tool for your to-dos, tasks, and projects.

Frontend

- React (Typescript)
- Styled Components
- Apollo (GraphQL)
- ProseMirror (WYSIWYG)

Backend

- NodeJS (Typescript)
- PostgreSQL
- Apollo Server
- OAuth + JWT

Services

- AWS S3
- AWS CloudFront
- Heroku
- Github Actions

EDUCATION

Kyoto University, Japan — *Exchange (Informatics)*

2017 - 2018

Delved into the different layers that makes up the internet, with focus on internet security. Also developed an understanding of algorithms, data structures, discrete optimisation, cryptography, as well as Machine Learning.

Achievements

- Achieved High Distinction in #2 ranked University in Japan
- Obtained the only exchange position to Kyoto University available from Melbourne University
- Improved Japanese language skills from N3 to N2 within a year

Melbourne University, Australia — *Bachelor of Science (Major in Mechatronics Engineering)*

2016 - 2018

Has a fundamental understanding of the mathematical modelling that dictates the behaviour, response and control of robotic systems. Is knowledgeable of programming skills used for interfacing computers with machines.

Achievements

- Achieved High Distinction in #1 ranked University in Australia
- Awarded a scholarship for academic excellence
- Demonstrated leadership skills in various group projects