**Daniel** **Hughes**

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**Introduction**

I developed an interest in programming whilst I was a student at the University of Leeds.

My major was Japanese language and I have been able to combine my linguistic abilities

and interest in technology to develop some language related web apps which are

detailed below.

**Personal Projects See more details about my portfolio here:** [Daniel Hughes - Portfolio](http://da-n.co/#portfolio)

[Sakuki](http://sakuki.da-n.co) (Gin, React, Styled Components)  **Completed: July 2022**

• [GitHub repository](https://github.com/dan88934/sakuki)

• Business Japanese language translator.

* [filters the translation](https://github.com/dan88934/sakuki/blob/f84fba498996fc94ccf11c29f9f97bebc155c6d4/back-end/main.go#L37) which it receives from the Google Translate API, removing and replacing certain inappropriate words which Google translate tends to put in translations
* Front-end in React using styled components and backend in Golang using Gin
* Deployed to DigitalOcean VPS using Docker and set up [CI/CD workflow](https://github.com/dan88934/sakuki/blob/f84fba498996fc94ccf11c29f9f97bebc155c6d4/.semaphore/semaphore.yml) with Semaphore

[Courier App](http://courier_app.da-n.co)(Flask, Vanilla Javascript, CSS)  **Completed: November 2021**

• [GitHub repository](https://github.com/dan88934/courier_app)

• Insurance charge processing app created for a fictional courier company as part of a coding challenge

* Created form with [custom back-end validation](https://github.com/dan88934/courier_app/blob/dff25ebfb167f8450a9b18f0b802fda56f25d519/api.py#L194) using WT-Forms
* Created separate [front-end validation](https://github.com/dan88934/courier_app/blob/dff25ebfb167f8450a9b18f0b802fda56f25d519/static/main.js#L23) using Javascript
* Implemented [business logic](https://github.com/dan88934/courier_app/blob/dff25ebfb167f8450a9b18f0b802fda56f25d519/api.py#L26) to calculate insurance charge according to various factors
* Tests, [front-end](https://github.com/dan88934/courier_app/blob/master/test/frontend_tests/test_submit_order.py) and [back-end](https://github.com/dan88934/courier_app/blob/master/test/test_backend.py), written using Unittest and Selenium

• Deployed to DigitalOcean VPS using Docker

[Zenmon](http://zenmon.app)(Django, Vue, Bootstrap) **Completed: October 2021**

• [GitHub repository](https://github.com/dan88934/zenmon)

• **test user:** test\_user | **test user password:** onrush-nurse-great-dignify

• Web app which allows users to create flashcards with three sides for studying Japanese vocabulary

• Frontend created using Bootstrap and Vue JS

• Backend in Django with Postgres DB: [Dashboard Views,](https://github.com/dan88934/zenmon/blob/master/zenmon/dashboard/views.py) [Card Views,](https://github.com/dan88934/zenmon/blob/master/zenmon/study/views.py) [Models](https://github.com/dan88934/zenmon/blob/master/zenmon/dashboard/models.py)

• Created a serializer to convert DB model instances into JSON which is then rendered on frontend

• Deployed to DigitalOcean VPS

[Heiki](http://heiki.da-n.co) (Flask, Vanilla JavaScript, Bootstrap) **Completed: March 2021**

• [GitHub repository](https://github.com/dan88934/heiki)

* Test input files [here](https://github.com/dan88934/heiki/tree/main/Heiki_V1/sample_files)
* Flask based web app which generates Japanese-English vocabulary lists from a document or image of Japanese text

• Variety of NLP Python packages used for [processing files](https://github.com/dan88934/heiki/blob/e4f52acd6dfd9021c99c3f90f7552cd390f622d5/Heiki_V1/process_file.py#L28) (for OCR, tokenization etc.)

* Tests, [front-end](https://github.com/dan88934/heiki/blob/main/Heiki_V1/test_front_end.py) and [back-end](https://github.com/dan88934/heiki/blob/main/Heiki_V1/test_back_end.py), written using Unittest and Selenium

• Deployed to DigitalOcean VPS using [Docker](https://github.com/dan88934/heiki/blob/main/Heiki_V1/Dockerfile)

**Relevant Work Experience**

**1Password Remote**

**Customer Support Associate June 2021– June 2022**

* Assisted businesses with a variety of technical issues in both English and Japanese
* Created a style guide for translating our responses into Japanese which was published in our internal documentation (this gave me the inspiration to create Sakuki)

**Customer Support Associate - Integrations team June 2022 – Present**

* Assisting our customers (mostly developers) with using the 1Password SSH Agent and command line interface (CLI)
* Helping customers write shell scripts and communicating with our own developers on a daily basis

**Software Developer Mentee - B5 February 2022 – Present**

* Working on resolving lower priority Gitlab issues
* Filing merge requests and receiving feedback on my code
* Code that I wrote is now running in production on our back office system

**Arden Software Greater Manchester, UK**

**Intern (WordPress, SEO, HTML, CSS) August (2019)**

• Primarily carried out SEO and WordPress related tasks

• Increased Google Page Speed Insights (Lighthouse) score of the company’s website by 40 points

**Complink UK Glossop, UK**

**Part-time repair engineer Sep 2013– Oct 2014**

• Diagnosed problems with client’s computers and used a variety of software to carry out virus removals

* Built, upgraded and repaired computers (replacement of RAM, HDD etc.)

**Education**

**Udemy / independent study**  **Nov 2020 - Present**

* 30+ hour Python and JavaScript courses, 20 hour SQL/MySQL course
* Algorithms, data structures

**University of Leeds Sept 2016 - July 2020**

**BA Japanese - 2:1**

• **Main subjects:** Japanese language, Japanese and general East Asian history

* **Elective modules:** Corporate Strategy, Managerial Decision Making, Corporate Law

**Doshisha University Sept 2017 - August 2018**

• Studied at Doshisha University, in Kyoto, as an exchange student for 1 year

• Primarily studied Japanese language but also took other modules such as Japanese Economic History

• Worked part-time as an English language instructor/home tutor for both kids and adults

* worked at the university as a Global Assistant, advising local students about study abroad programs

**Aquinas College (high school) Sep 2013 - Aug 2016**

• A Levels: Government and Politics (A\*), Psychology (B), Japanese (B)

**Languages**

• Japanese – B2 (passed JLPT N2 in 2019, this is the second highest level of Japanese language proficiency)

* Russian – A1 (basic conversational – currently learning)

**Other Information**

• Hobbies include various forms of exercise, photography and reading