Christopher **Bunn**

✉ cbunn@cbunn.com | ⬡ cbunn81 | in cbunn81

SOFTWARE AND WEB DEVELOPER

Work Experience

Software Developer / English and Programming Teacher
5STAR ENGLISH

July 2016 - Present
Tokushima, Japan

- Developed innovative solutions to technical challenges which greatly improved productivity and student satisfaction. This includes the projects listed below as well as other solutions, such as automating administrative processes through Google Apps Scripts.
- Customized, implemented and administered an open source video chat system (BigBlueButton) to enable remote lessons with integrated whiteboard, chat and video player. This has enabled an expansion of the business to remote students, increasing revenue.
- Developed a programming curriculum using Scratch for elementary school students, including a full year of projects and the training of other teachers, which expanded the business beyond only English lessons.

Recent Projects

ECATS Test
https://github.com/globallabo/ecats-test

A full-stack web app to test students on English grammar using multiple-choice questions. The backend is Django (DRF) with a PostgreSQL database. The frontend is React with Redux Toolkit, RTK-Query and Material UI. Deployment is via Docker.

Elite curriculum generator
https://github.com/globallabo/elite

A Python project to easily generate a full set of PDFs for a business English curriculum with a standard template and content pulled from Google Sheets. It allows non-technical team members to edit the content of lessons without any code. The content is stored as text in Google Sheets. The templates are made with Jinja and custom HTML/CSS. And everything is brought together using a command-line app based in Python, with Typer as a framework and Weasyprint as a means to produce PDF output.

All Stars curriculum generator
https://github.com/globallabo/allstars

A similar, but earlier, project to the above Elite project, made to easily generate a full set of PDFs for an elementary-level English curriculum. The content is also stored as text in Google Sheets. In this case, there are multiple templates made with custom HTML/CSS to accommodate different needs for different levels of student as these worksheets emphasize writing practice. There are also templates for flashcards.

Eikenvocab flashcard generator
https://github.com/globallabo/eikenvocab

Another Python-based automation project designed to increase student satisfaction by adding value to lessons. It automatically produces a set of vocabulary flashcards for Japanese students studying to take standardized English exams. It scrapes publicly-available previous exams, creating a word list ranked by their frequency across all tests. It then creates hiragana translations for students using public translation/transliteration APIs and outputs them to PDFs for use as study flashcards.

Education

B.A. in Biological Sciences
UNIVERSITY OF DELAWARE

August 1999 - May 2003
Newark, Delaware

Skills

Backend	Python, Django, PHP, SQL, PostgreSQL, Shell Scripting
Frontend	JavaScript, TypeScript, React.js, Next.js, Redux Toolkit, RTK-Query
Other	Docker, Git, REST, GraphQL