

Christopher Bunn

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FULL-STACK ENGINEER

Skills

Languages JavaScript, TypeScript, Python, SQL, Shell Scripting
Frameworks Node.js, React.js, Next.js, Redux, Django
Other Git, Docker, Linux, REST, GraphQL

Work Experience

Full-Stack Engineer

NETSMILE, INC. | ネットスマイル株式会社

May 2023 - Present

Tokyo, Japan

- Developed database models and API endpoints using JavaScript, Node.js, Sequelize and PostgreSQL.

Software Developer / English and Programming Teacher

5STAR ENGLISH

July 2016 - March 2023

Tokushima, Japan

- Developed software applications to automate material generation, saving employee time, using Python and HTML/CSS.
- Developed a full-stack web application to test students using Python (Django) and JavaScript (React).
- Automated administrative processes through Google Apps Scripts.
- Customized, implemented and administered an open source video conferencing system to enable remote lessons with integrated whiteboard, chat and video player, enabling 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

Python, Django, JavaScript, React, Redux Toolkit, RTK-Query, Material UI, PostgreSQL, Docker

<https://github.com/globallabo/ecats-test>

A full-stack web app to test students on English grammar using multiple-choice questions.

Elite Curriculum Generator

Python, Google Sheets, HTML, CSS, Jinja

<https://github.com/globallabo/elite>

A command-line application to 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.

Elite Business English Curriculum Website

HTML, SCSS

<https://github.com/globallabo/elite-website>

A custom landing page developed from scratch using HTML and CSS/SCSS.

Eikenvocab Flashcard Generator

Python, Google Sheets, HTML, CSS, Jinja

<https://github.com/globallabo/eikenvocab>

A command-line application to generate a set of vocabulary flashcards for Japanese students studying to take standardized English exams. It scrapes publicly-available previous exams, ranks words by frequency, 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