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 *May 2023 - Present*
NETSMILE, INC. | ネットスマイル株式会社 *Tokyo, Japan*

- Developed database models and API endpoints using JavaScript, Node.js, Sequelize and PostgreSQL.
- Developed components and pages using JavaScript, React.js, Next.js and Material-UI.

Software Developer / English and Programming Teacher *July 2016 - March 2023*
5STAR ENGLISH *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 *https://github.com/globallabo/ecats-test*
Python, Django, JavaScript, React, Redux Toolkit, RTK-Query, Material UI, PostgreSQL, Docker
A full-stack web app to test students on English grammar using multiple-choice questions.

Elite Curriculum Generator *https://github.com/globallabo/elite*
Python, Google Sheets, HTML, CSS, Jinja
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 *https://github.com/globallabo/elite-website*
HTML, SCSS
A custom landing page developed from scratch using HTML and CSS/SCSS.

Eikenvocab Flashcard Generator *https://github.com/globallabo/eikenvocab*
Python, Google Sheets, HTML, CSS, Jinja
A command-line application to generate a set of vocabulary flashcards for 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 *August 1999 - May 2003*
UNIVERSITY OF DELAWARE *Newark, Delaware*