Bryan Guner

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Skills

Languages:	JavaScript ES-6, NodeJS, HTML5, CSS3, SCSS, Bash Shell, SQL, MATLAB, Python, C++, Mathematica, JSON
Frameworks / Libraries:	React, Redux, ExpressJS, Gatsby, NextJS, Ant-Design, SCSS, Loadash, Sequelize, GraphQL, AJAX, Jest, Mocha, jQuery, Electron
Databases:	PostgreSQL, MongoDB, SQlite3
Tools:	Figma, Adobe XD, GitHub, GitLab, Excel, VSCode, Sublime Text, Atom, Google Analytics, Bootstrap, Tailwind, FontAwesome
Tools (continued):	Docker, Firebase, Postman, Wordpress, Chrome Dev Tools, Jira, Trello, Confluence, Firebase, AWS S3, Okta, Algolia, Loadash
Hosting:	Heroku, Netlify, Vercel, Wordpress, Cloudfare, AWS, Firebase, Digital Ocean
Operating Systems:	Linux, Windows (WSL), IOS

Projects

Gatsby-GraphQL-Blog

Live Site | GitHub

Stack: *JavaScript, React / Gatsby | GraphQL | SCSS | Lodash | Jamstack | Facebook Comments API | jQuery | Firebase*

A web development blog featuring convenient web development tools and interactive content

- Implemented 4 Gatsby page models and GraphQL schema to fetch markdown content and feed it into react components.
- Designed and integrated a set of convenient web-hosted developer tools and GUI interfaces.
- Added interactive content including comments, video conferencing, data-structure visualization, games and full text search.

Autonomously Triggered Guitar Effects Platform

Live Site | GitHub

Stack: *C++ | Python | MATLAB | PureData*

Platform designed to analyze a time sequence of notes and autonomously trigger guitar effects at a predetermined point in the song

- Used pure data to filter a guitar signal before executing frequency domain analysis and implementing custom built guitar effects.
- Implemented the Dynamic Time Warping algorithm in C++ and Python to generate a time agnostic measure of similarity between performances.
- Autonomously activated or adjusted guitar effects at multiple pre-designated sections of performance.

Data Structures Interactive Teaching Tool

Live Site | GitHub

Stack: *jQuery | ExpressJS | Google Analytics |Algolia Full Text Search | Amazon S3*

A website for visualizing and practicing data structures and algorithms in JavaScript & Python

- Implemented an repl.it backend to enable commenting using express and the fs **module** to write user comments to a storage.json file.
- Developed proprietary npm package to recursively walk the project directory structure and generate a site navigation page.
- Created multiple embedded data structure visualizations that interact with user input.
- Automated the generation and submission of a sitemap to (Google, Bing, and Yandex) on every build.

Experience

Product Development Engineer | *Cembre, Edison, NJ* | Oct 2019 - Mar 2020

- Converted client's product needs into technical specs to be sent to the development team in Italy.
- Reorganized internal file server structure and conducted system integration and product demonstrations.
- Presided over internal and end user software trainings in addition to producing customer facing documentation.
- Conducted electrical conductivity & tensile testing of electrical components and presided over troubleshooting railroad hardware and software in North America.

Family Promise Service Tracker

Full Stack Web Development Intern | Remote | Sept 2021 - Present

Live Site | GitHub

Stack: *React | ExpressJS | Figma | Okta*

An app built to helps local communities provide services to address the root causes of family homelessness

- Collaborated on state management using Redux to handle application state and middleware using redux-promise & redux-thunk.
- Built two graphic visuals of the user hierarchy and the scope of their permissions as well as maintained the team's docs.
- Created Figma UI mockups for possible future developments, such as displaying metrics data and map pinpoint functionality.

Education

Lambda School, *Full Stack Web Development* **May 2020 - Nov 2021**

Six-month immersive software development course with a focus on full stack web development. Over 2000 hours of work invested including class time, homework, and projects.

1Certification Link

B.S. Electrical Engineering, TCNJ, Ewing NJ **2014 – 2019**

Knowledge of circuit boards, processors, chips, electronic equipment, and computer hardware and software, including applications and programming.

TCNJ

2Curriculum link

References & further work experience available upon request.