Brooklyn **Welsh**

FULL STACK SOFTWARE ENGINEER

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Summary

Current Full Stack Developer at CACI International Inc.. 2.5 years experience specializing both backend and frontend web development. Experience with serveral languages and frameworks, including JavaScript/TypeScript, React, Python, and more. Loves to learn new, cutting edge web technologies and frameworks.

Work Experience

CACI International Inc.
Rome, NY (Remote)

FULL STACK SOFTWARE DEVELOPER · Feb. 2021 - Present

- Secured extended contracts and funding for CACI by leading a team of 3 interns on a scheduling and event visualization app for a DoD customer.
- Provided code reviews and feedback to interns in an Agile environment to ensure code quality and meet customer requirements
- Created a new contract opportunity for CACI by pioneering a proof of concept app which integrated a NodeJS app with a Cyber Operations program developed by another company. Communicated with their dev team and CACI managers to stay informed on architecture, request or clarify app capabilities, and submit bug reports.
- Developed an app in an Agile/Scrum environment, which integrated with a suite of apps written in Java, Python, and JavaScript. Utilizes SQL stored procedures, functions, triggers, etc. to ensure efficient and strict adherence to the data model required.
- Improved code maintainability by implementing unit and integration tests on an existing project using Mocha and Sinon. Wrote Selenium tests to ensure functionality of the frontend.
- Supported an R&D contract by creating a suite of Python scripts which reads in a remote SQL schema, generates randomized queries categorized by runtime complexity, and runs them against the database while gathering performance data.
- Implemented Gitlab CI/CD changes to run installation, testing, linting, and documentation generation steps in parallel, cutting pipeline run time and resource usage by 50%.

University of Lynchburg
Lynchburg, VA

LINUX/UNIX INTERNSHIP · 2019 - 2020

- Ensured department Linux machines were up to date with latest security updates.
- Maintained department website, including backups, migrations, security, and all site updates.
- Wrote scripts in both Bash and Perl which were executed for every new user created on the machine as part of user account management.
- Worked as a team with one other intern to carry out any administration tasks set out by the professor each week and maintained documentation of steps needed to reproduce.

Education

University of Lynchburg
Lynchburg, VA

Aug. 2013 - Nov. 2020

- B.S. in Computer Science

Projects

Image to ASCII Converter

WRITTEN WITH REACT, NEXTJS, TYPESCRIPT AND TAILWINDCSS

- User can scale images for more or less resolution, and control font size.
- Offloads image processing to a Web Worker to keep UI responsive.
- Image controls (resolution, scaling) are connected to ASCII conversion script using react state/props.
- Completely responsive on all screen sizes.
- Hosted with Github Pages at brooklynwelsh.github.io/img-to-ascii/

Personal Website

BROOKLYNWELSH.COM

- Static website generated with NextJS and TailwindCSS, hosted with Github Pages.
- Resume markup filled using JSON file, plan on integrating with a headless CMS.