

Brooklyn Welsh

Full Stack Software Engineer

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PROFESSIONAL EXPERIENCE

CACI INTERNATIONAL INC.

Rome, NY (Remote)

Full Stack Web 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 an external service with a rapidly developing 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 ingested data and integrated with other 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.
- Cut development time and delivered customer features early by creating a Svelte/SvelteKit web app which parsed a custom GDL language file into valid JSON, and displayed an interactive Echarts graph visualization.
- 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

Bachelor of Science, Major in Computer Science

2013-2020

SKILLS

- Languages: JavaScript, SQL (PostgreSQL), HTML/CSS, Python, Java, Bash
- Frameworks/Libraries: Node.js, Svelte/Sveltekit, LESS, Vue.js, Express, Selenium, Mocha, Sinon
- Tools: Git, Linux, Docker, Gradle, Maven, JIRA, Gitlab CI/CD