

SKILLS: Front-end engineering, React.js, JavaScript, HTML5, CSS, Material UI, Node.js, Redux.js, Express.js, Oracle SQL Developer, Jenkins, Ansible, OpenShift, Jira, Bitbucket, Agile Development, Jest, React Testing Library, QTest, TypeScript, VSCode Extensions.

PROFESSIONAL EXPERIENCE:

Bank of America: Software Engineer II

March 2022–Present

- Automated adjustment and regulatory reporting processes, enabling business users to free up to 30 hours a month in time, ~50 manual file edits, and reduced risk by centralizing data.
- Developed a VSCode Extension which combines Webviews, React, and TypeScript to create a form-based app in order to support an Extract-Transform-Load (ETL) tool.
- Rewrote a JSP/jQuery maintenance app using React/Node in order to help NPT remediation efforts.
- Contribute to development and feature enhancements of a Node.js, React application.
- Write unit tests using Jest and React Testing Library, and functionally test via QTest.
- Code proofs of concept, complex solutions, ensure integration according to acceptance criteria, business requirements and overall business goals, and participate in pull request reviews.

Council on Foreign Relations: Associate Web Developer

October 2020–March 2022

- Used front-end development (including HTML5, CSS, JavaScript, D3, responsive email, Node) to develop websites, data visualizations, and tools to support the editorial and research teams.
- Developed new features and resolved bugs for the flagship website and other CFR products and tools, using Agile development best practices, ensuring code passed SonarCloud tests and deployed through CI/CD via Git & CircleCI.
- Maintained email template code and trained business users on how to create and edit templates.
- Engineered data visualization toolchain, allowing graphic designers to create responsive, embeddable static infographics within CFR Editorial articles at the click of a button.

Council on Foreign Relations: Design Technologist

April 2017–October 2020

- Developed CFR's first responsive email newsletters and standardized their UI using MJML, increasing subscribership across the 70+ newsletters.
- Developed a graphics-building command-line tool and system, leveraging Node.js and D3, for data visualization developers to produce their own high-quality, bespoke interactive graphics.
- Served as the Product & Design team's accessible, technical front-end subject matter expert, presented product prototypes and proofs of concept to external teams and executive leadership.

Stony Brook University: Adjunct Lecturer

Seasonal: 2015, 2017, 2022

- Developed website to showcase student-journalists work on a React and Gatsby website.
- Led undergrad and graduate student trips to Hawaii and New Mexico to instruct them as they reported on NASA's geological field research in support of the upcoming Lunar mission.
- Taught students how to become self-sufficient multimedia reporters capable of interviewing, producing, and editing stories, images, and videos.

EDUCATION: Stony Brook University: (B.A.) Political Science & Journalism, May 2014