# Akosua Kernizan

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## TECHNICAL SKILLS

**Strong:** JavaScript, React (Router, Context API, Hooks), Gatsbyjs, OOP, Express, Webpack, Git/Github, CSS/SCSS, HTML, jQuery, OAuth 2.0, Authentication, RESTful architecture, JIRA, Confluence, Agile/Scrum Methodologies
**Experienced:** Redux, Node, Travis CI/CD, Docker, AngularJs, VueJs, TDD(Jest, Cypress, Enzyme), Php, SQL/Non-relational databases(NoSQL), Contentful, YAML

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## EXPERIENCE

**Buffy** | Fullstack Engineer, New York, NY                                                     **2019 - 2020**
- Optimized legacy codebase with Gatsbyjs and Contentful to transition to a highly performant headless state in order to follow the latest web standards as well as refactor and remove redundant code.
- Leveraged Cypress testing to document the core functionality of the code relying on the ease of debuggability and cross-browser testing.
- Maintained legacy Shopify site using Liquid, jQuery, and yarn to preserve the stability of the codebase.
- Worked with Product and Design teams to replicate wireframes from Abstract and Sketch.

**BounceX** | Software Engineer, New York, NY                                                   **2016 - 2019**
- Produced GDPR compliant custom client campaign integrations using JavaScript, jQuery, and Php.
- Built in house application, using Php and SQL, to visualize client tracking variables and all of the campaigns they effected. To reduce redundancy and to make code removal easier.
- Streamlined the email service provider(ESP) integration process through the creation and dispersal of custom documentation.
- Conducted intra-departmental presentations on the proper debugging process of ESP campaigns/APIs, leading to faster turnaround and better communication.
- Provided onboarding training and technical mentorship to other engineers via code reviews and peer programming.
- Utilized TDD to build new features and products for clients to make sure integrations did not break the clients' sites.

**Sesame Workshop** | Frontend Developer, New York, NY                                          **2015 - 2016**
- Constructed "Special Projects Department" portfolio site using jQuery, uiBootstrap, and AngularJs to utilize it's MVC architecture and streamline the codebase for easier updates.
- Created custom HTML/CSS/JavaScript English learning games for preK children in China and Japan using a custom content management system.
- Worked directly with project managers, animators, and writers to discuss code limitations and alternatives to meet deadlines.

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## OPEN-SOURCE WORK

**Rigflo** | Software Engineer, New York, NY                                                    **2020 - Present**
- Architected a SPA with React components to create a scalable and reusable design system and codebase.
- Leveraged Github OAuth to create a convenient and secure login process that supports three-legged authentication with Github to validate a user's identity and allow for the server to make authorized requests to create new re on a user's account.
- Utilized Context API and React Hooks to design an event-driven state management system that follows a predictable and unidirectional data flow in order to reduce prop-drilling and handle asynchronous behavior
- Architected Node/Express server to handle high user load via an event-driven, non-blocking input/output paradigm with middleware to handle data pipelines between client and server while executing asynchronous tasks against a relational database.
- Incorporated Travis CI continuous integration and deployment for seamless workflow implementation on Github, automatically building and testing code changes, providing immediate feedback on the success of the change.

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## PUBLIC TALKS

**State Management Alternatives: MobX** | Single Sprout Speaker Series                          2020

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## EDUCATION

**University of Kansas** | Biology 2011

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## INTERESTS

Traveling | Running | Cooking