

# Samuel Morgan - Full Stack Engineer

## Contact:

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## Experience:

### Lumber — Full Stack Engineer

August 2023 - January 2024

- Worked in a team of 2 other developers building the fullstack NextJs Shopify app Atelier, an app designed to let merchants create exclusive separate domain Shopify stores for sample sales and other exclusive drops
- Architected and built the backend to ensure merchants were able to access large scale inventories without hitting rate limits by adding paginations to the API calls
- Created custom solutions to address limitations within the Shopify, such as the inability to retrieve drafted products in the default shopify API
- Self directed vast portions of the app UI design by understanding the visual guidelines and creating new page designs in the style, while also taking direction from designers by converting their figma designs into pixel perfect web pages
- Implemented speed optimizations on Shopify GraphQL API calls to allow customer retrieval of large amounts of collections and products without compromising site load speed to reduce bounce rate
- Operated tight testing coverage of codebase to ensure consistent uptime while minimizing possible bugs and technical debt as well as ensuring consistent typing across the entire app
- Engaged in product design discussions, contributing ideas for features to add and architectural decisions to be made when developing the product

### Trena Digital — Shopify Developer

September 2022 - August 2023

- Led the design/development of Shopify storefronts various recurring clients, significantly improving customer experience and which led to an increase in conversion rates by as much as 30%
- Worked with our team's in-house marketers to implement SEO strategies and utilize analytical tools (such as Google Analytics & Optimizely), achieving an increase as high as 47% in search engine traffic for our clients' stores
- Introduced responsive design to ensure websites looked identical and performed flawlessly across different devices and all major web browsers, which reduced bounce rates by 15%
- Developed tailor made Shopify themes and features utilizing Liquid/HTML5/CSS3/JavaScript, customizing each shop to fit the unique brand and operational demands of our clients
- Implemented custom app solutions for clients who had demands beyond the scope of vanilla Shopify, such as creating a solution to allow clients to have infinite options while also having unique images for each variant
- Oversaw the integration of APIs for various external services, such as inventory control platforms such as Jasper PIM and email marketing software such as Klaviyo, allow the merchant to increase operational efficiency
- Offered clients post-deployment assistance on how to manage their Shopify platforms effectively, allowing them to be more autonomous over their store management and less reliant on developers

## BlockFi — Frontend Engineer

January 2021 - September 2022

- Worked in a remote agile team with 2 - 4 other frontend developers using Jira for managing tickets
- Built the frontend web application for BlockFi's flagship credit card product, allowing more than 60,000+ users worldwide to manage their credit card, make payments, collect rewards, etc.
- Created responsive UI screens in React & Styled Components based on often rapidly changing Figma designs in tight deadlines
- Processed financial and personal data relating to customers from the backend using a custom Redux pattern, while appropriating typing data with TypeScript to minimize the amount of bugs in code
- Corresponded with the Design team on needs and limitations of reusable components based on designs and BlockFi's in-house style guide
- Corresponded with the Credit Card Backend team on maintaining consistent data formatting and structure that was both type safe and expandable in the case of changing client demands
- Created unit and integration tests with React Testing Library to maintain good test coverage across the app to minimize technical debt
- Assisted in the migration of API calls using the library typesafe-actions to a custom hook that significantly reduced boilerplate code and duplicate calls

## Open Source Developer

January 2020 - January 2021

- Contributed to **Serverless**, **Gatsby**, **Material UI** & **Electron**:
- **Serverless**: Removed a deprecated flag from the core application. Removed all tests that referred solely to the obsolete feature and modified other tests to refer to the new flag.
- **Gatsby**: Converted inline SVGs to SVG files. Modified the SVG format to accept the theming props passed to it and modified the parent component to use Gatsby's inline styling syntax.
- **Material UI**: Documented a bug where not passing helper text to a TextField would misalign it. Included a code example to demonstrate the bug as well as a workaround solution.
- **Electron**: Documented a side effect where zooming in on one window would cause any other window's zoom level to change. A short explanation paragraph was added to all parts of the documentation that refer to the setZoomLevel API.

## Education

Upper Second Class Honors, Audio & Music Technology, Anglia Ruskin University, 2016

## Skills

React.js, TypeScript, Next.js, Vue.js, HTML5, CSS3, JavaScript (ES6+), Responsive Design, Tailwind, Webpack, Git, Browser Developer Tools, UI/UX Design Principles, Cross-browser Compatibility, Performance Optimization, Debugging, Node.js, Python, Flask, Express.js, RESTful API Design and Development, MySQL, PostgreSQL, MongoDB, Prisma, OAuth, AWS, Heroku, Docker, Agile/Scrum methodologies, Continuous Integration/Continuous Deployment, SEO, GraphQL, WebSockets, Progressive Web Apps