Christopher A. Tillery

Frontend Engineer

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Professional Experience

Catalyst Software - Frontend Engineer (Data)

New York, NY (Remote) · July 2022 - Present

- Leveraged code generation, OpenAPI specifications, and automated **CI/CD** checks to architect an end-to-end typesafe **REST API** integration with **semantically versioned**, typesafe deployment cycles. Migrated core layers of a **Vue.js**-based frontend platform from **JavaScript** to **TypeScript**.

Catalyst Software - Frontend Engineer (UI/UX)

New York, NY (Remote) · August 2021 - July 2022

- Created and maintained an internal component library using updated design tokens in **Vue.js**, **TypeScript**, and **SCSS**. Introduced an automated, **semantically versioned** package distribution process with backward-compatible module support via **Vite**, **Rollup**, and GitHub packages.
- Reprioritized existing deliverables to introduce net-new features necessitated by the organization's highest value contract and implemented frontend solutions to data-intensive **Elasticsearch** and internal **REST API** queries via component-driven architecture and **Flux** pattern principles**.**
- Facilitated frontend code convention panels across the engineering organization surrounding the consumption of internal libraries, **design systems**, and **TypeScript** usage.

LendingTree - Software Engineer II

Charlotte, NC · June 2020 - August 2021

- Spearheaded re-architecture of user-facing consumer loan features from **AngularJS** to **Vue.js** and **TypeScript,** thus increasing overall performance audit scores by greater than 50%.
- Developed a complex reactive component library in **Vue.js**, **TypeScript**, and **SCSS** with key contributions, including semantic **HTML/SVG** visualizations and socket-driven toast notifications.
- Designed client-side implementation of client/server contracts in **TypeScript** and engineered state containment integration with multiple **REST APIs** and a real-time **socket-based** communication hub.
- Solidified a component design system by creating a style guide platform relied on by multiple teams.

Education

Master of Science in Computer Science and Software Engineering

August 2020

Auburn University, Samuel Ginn College of Engineering

Bachelor of Science in Computer Science

May 2019

Auburn University, Samuel Ginn College of Engineering

Research

Auburn University - TraitSpot

March 2020 - August 2020

- Utilized Natural Language Processing techniques and latent neural embedding space to detect the personalities of individuals with minimal social media footprints.
- Trained multiple bi-directional LSTM recurrent neural networks in **TensorFlow** that increased prediction accuracy on limited footprint individuals to 28% over baseline models in related research.

Technical Strengths

Languages	TypeScript, JavaScript, GraphQL, HTML, CSS, SCSS, Ruby (Rails), C#, Python
Libraries	React (Next.js), Storybook, Vue.js (Nuxt), CSS-in-JS, Jest, Percy, Webpack, Vite
Technologies	Node.js, Docker, Git, CircleCI, SQL, NoSQL, REST, NPM, GPM, AWS, GCP
Methodologies	SemVer, WebSockets, Web Components, Serverless, WCAG, TDD, CI/CD, SSR