

## EDUCATION

### B.S. Computer Science

Southern Illinois University | Jan 2014 - May 2018

## WORK EXPERIENCE

### Freelance Software Consultant | doish LLC

March 2024 - Present

- Audited **Next.js** application performance and improved page load by 65% (*Hedera crypto exchange*)
- Designed and implemented ability to purchase crypto on **Next.js** application (*Hedera crypto exchange*)
- Triaged, diagnosed, and resolved errors on legacy **React** application (*Cross-chain crypto bridge*)

### Senior Software Engineer | Capital One

Dec 2022 - Feb 2024

- Migrated an application from **EC2** to **AWS Batch** and **Fargate**, reducing cost and increasing throughput
- Developed and deployed a modular, database-driven implementation of customer offers using **Java** and **Spring Boot**, enabling flexible offer terms and streamlining the update process

### Senior Software Engineer | Maxwell

July 2021 - Nov 2022

- Led the initiative to add [screen sharing](#) to the primary application using **React** and **Ruby on Rails**
- Implemented a web socket interface for asynchronous UI updates using **React** and **Ruby on Rails**
- Acted as the development lead for the initiative to integrate [Snapdocs document e-closing](#) into the application, utilizing **React**, **Webhooks**, and **Ruby on Rails**

### JavaScript Developer | Bitovi

Feb 2020 - July 2021

- Developed and deployed [PPP loan application](#) as an integral part of project scoping, application architecture, and full-stack development using **Node**, **Koa**, and **React** with **Typescript**
- Implemented a **micro frontend** solution in **React** to transition a legacy app to a new architecture
- Developed a spreadsheet application using **RxJS** and **React**, supporting reference cells and formulas
- Managed a 'squad' of four developers, focused on a single client application

### Front End Developer | TopstepTrader

June 2018 - Feb 2020

- Architected a **micro frontend** solution to migrate from an **Angular 2** monolith to a leaner **React** solution
- Led the front-end engineering team across tech stacks, including **Angular 2**, **React**, **Python Django** templates, **Hubspot HubL**, custom **WordPress** themes, and native **HTML/CSS/JavaScript**
- Designed, developed, and implemented a reusable component library, using **Webpack** to compile modular **ES6+ JavaScript** and **SCSS** into static, cross-browser-ready **JavaScript** and **CSS**
- Led front-end developer hiring by creating technical tests and interview processes to verify candidates' skills

### Web Developer Intern | MacUpdate

June 2016 - Sept 2017

- Reduced average page size by 15% by designing and implementing a build process using **Grunt** and **Node**

### Student Developer | Southern Illinois University

Jan 2014 - May 2018

- Authored web pages, forms, and apps for university departments using **HTML**, **CSS**, **JavaScript**, and **PHP**

## PERSONAL PROJECTS

### outwork [ow.smessina.com](https://ow.smessina.com)

2023

Remix, React, PostgreSQL, SCSS

[\[source code\]](#)

Mobile-first workout tracker with historical data

### WAILto [wailto.smessina.com](https://wailto.smessina.com)

2019

Node, React Hooks, and PostgreSQL

[\[source code\]](#)

Analysis and visualizations on Last.fm music data.

### Languages

JavaScript, Typescript, HTML, CSS, SCSS,  
Python, PHP, Ruby, MySQL, Java, Bash

### Libraries

React, Angular, Node, RxJS, Redux, Django,  
Rails, Remix Spring Boot, SASS / SCSS

### Tools

Git, Webpack, Gulp, Grunt, Linux, Vim,  
Hubspot, Google Analytics & Search Console