

John Blake

Software Developer

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EXPERIENCE

Senior Software Engineer

[Sling TV, Dish Network](#)

📅 12/2021 - Ongoing 📍 Denver, CO

- Engage in organization-level feature-planning in which I communicate technical feasibility to stakeholders and guide my team's delivery process
- Lead initiatives to improve site performance and code quality across our front-end libraries and content management system
- Rearchitected sling.com's commerce "rules engine" using Redux Toolkit, resulting in drastically improved performance on user interaction: JavaScript execution time on each button click decreased from tens of seconds in the worst case to milliseconds
- Used techniques such as code-splitting, shared-module externalization, tree-shaking, and lazy-loading of React component bundles to increase the site's average Lighthouse score by 10 points on mobile and 40 points on desktop

Software Engineer II

[Sling TV, Dish Network](#)

📅 03/2021 - 12/2021 📍 Denver, Co

- Collaborated with a high-performing, cross-functional team to build and test new UI components for the Sling TV marketing site using React and Adobe Experience Manager
- Selected by leadership to be part of a small team of React developers to rebuild the site's look and feel in a short period of time - effective planning, communication, and development enabled our project's success
- Helped junior engineers improve their problem-solving skills and their React and Vanilla-JS skills by talking through tough problems, reviewing code, and providing advice during moments of indecision

🔗 [sling.com](#)

Software Engineer

[Brooksource](#)

📅 10/2019 - 03/2021 📍 Denver, CO

Contract to Hire at Sling TV

- Increased new customer conversions by prototyping, testing, and integrating React components to emphasize Sling's value to customers and streamline the shopping experience
- Developed over half of the components on the sling.com homepage using React and AEM utilizing a custom micro-frontends architecture
- Maintained code quality through Jest testing, bug fixing, refactoring, and adding code quality monitors to our front-end deployment pipelines

Front End Software Engineer

[DeFiner](#)

📅 03/2019 - 09/2019 📍 Minneapolis, MN

Blockchain Lending

- Architected a decentralized web application with a small agile team that allowed users to borrow and lend digital assets
- Built and tested custom user interface components in Angular 6

🔗 [definor.org](#)

SKILLS

Tools & Frameworks

React	Redux	Node	Git	Docker	Redis	Angular 2+
MySQL	AWS	Neo4J	GitlabCI	Next.js		

Programming Languages

Javascript	TypeScript	Java	Python	HTML	CSS
SQL	C++	Swift	Cypher	Scheme	

EDUCATION

BA in Computer Science

[Carleton College](#)

📅 2017 📍 Northfield, MN

COURSE WORK

- Data Structures
- Algorithms
- Parallel and Distributed Computing
- Software Design
- Computer Organization and Architecture
- Math of Computer Science
- Artificial Intelligence
- Computability and Complexity

PERSONAL PROJECTS

Training POCs for Junior Devs

React and Vanilla JS proof-of-concepts that illustrate useful intermediate front-end patterns

🔗 [stackblitz.com/@johniblake](#)

Search Engine

Built a micro-services-based web search engine which includes a crawler, indexer, page rank module, and search client

🔗 [github.com/johniblake/SearchEngine](#)

AngularFire Chat

Created an authentication-based chat application with user-presence detection using Angular 7 and Firebase

🔗 [github.com/johniblake/chat](#)

Twitch IRC Client

Built an Internet Relay Chat client compatible with Twitch IRC servers

🔗 [github.com/johniblake/simpleIRCClient](#)



Interpreter

Implemented an interpreter for the language Scheme in C++ with built-in garbage collection

Carleton Alumni Mobile App

Built an iPhone application in Swift commissioned by the Carleton Alumni Relations Office for Carleton's sesquicentennial alumni event

FIND ME ONLINE

-  **GitHub**
[github.com/johniblake](#)
-  **LinkedIn**
[linkedin.com/in/johniblake](#)