

# SAMUEL HOLMBERG

## Software Engineer

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## SUMMARY

Software Engineer with 7 years of experience pursuing a full-time frontend position in data visualization or creative tooling

## EDUCATION

B.S. in Computer Science

University of Maryland

Aug 2016 – May 2019

- 3.67 GPA, University Honors

## SKILLS

React TypeScript JavaScript

Jest Cypress Selenium

Java Lambda Node.js

Git Linux Agile Kanban

## EXPERIENCE

Astronomer

March 2022 – April 2023

Frontend Engineer

Fully Remote

Data Observability

- Implemented data-visualization features within a collaborative UI team — adding to the UI platform component library and extending existing shared assets
- Developed a visual root cause analysis experience to help data engineers find data failures and delays based on OpenLineage events of their data pipelines
- Integrated segmented customer usage tracking across all Data Observability and Alerting frontend features to better understand user journeys through our product
- Established end-to-end testing for the Alerting frontend with Cypress — creating the shared utilities for api-based setup and teardown of testing assets

React

Typescript

Jest

Cypress

Open Source

OpenAPI

Amazon.com

June 2019 – March 2022

Software Development Engineer

Seattle, WA

Checkout Delivery Experience

- Major contributor to migration of checkout delivery messaging rendering logic from monolith to a new Java microservice, improving time to market by 80%+
- Developed Non-Prime and mobile user workflows for frontend comparison testing framework utilizing Selenium, allowing us to efficiently spot migration discrepancies across 100+ checkout use cases
- A/B testing experimentation on CX changes in delivery promise rendering increasing annual revenue \$55M+
- Led project connecting three external team services to automatically diagnose back-end errors for 88% of our team's customer contacts - drastically reducing the largest pain point of the team's operational overhead
- Mentored and onboarded two team members to the operational knowledge threshold required to take on team projects and on-call responsibilities

Java

Spring

JavaScript

JUnit

Selenium

A/B Testing

E-PAGA

Part Time June 2016 – June 2019

Software Engineer Consultant

Intern June 2013 – June 2015

Rockville, MD

- Performed full-stack development on government database projects utilizing MVC design patterns
- Developed web-based training courses with a team of engineers, SMEs, and graphic designers for FDA and DHS federal contracts
- Built Java-based data-processing and automation software to increase courseware migration efficiency, exceeding competing contractors to win further contracts
- Ensured accessibility and 508-compliance in alpha and beta review of online courses
- Acted as project technical advisor in meetings with federal clients

Java

JavaScript

HTML5

SQL

ColdFusion

## PROJECTS

Electronics Integrated Sculpture Art

- 3D modeling, lighting data visualization, PCB designs, personal web apps, and other creative endeavours available on my software art blog: <https://sam.holmberg.dev>