SAMUEL HOLMBERG

Software Engineer

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SUMMARY

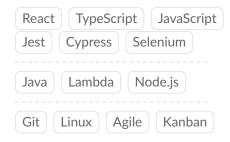
Software Engineer with 7 years of experience pursuing a full-time frontend position in data visualization or creative toolingt

EDUCATION

B.S. in Computer Science University of Maryland

- **Aug** 2016 May 2019
- 3.67 GPA, University Honors

SKILLS



EXPERIENCE

Astronomer Frontend Engineer

March 2022 - April 2023

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



Amazon.com Software Development Engineer

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 backend 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



- 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



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