Education

The Ohio State University *281 W Lane Ave, Columbus, OH 43201*
B.S. in Computer Science and Engineering *2013 - 2017*

Experience

6sense · Orchestrations *450 Mission St, San Francisco, CA 94105*

Software Development Engineer *Dec 2021 - Present*
- Joined orchestrations team to contribute groundbreaking levels of marketing automation to our customers. [Java, Python]

Amazon Web Services, Inc. · SageMaker A2I *410 Terry Avenue North, Seattle, WA 98109*

Software Development Engineer II *Oct 2019 - Dec 2021*
- Joined team during the AWS Re:Invent rush to deliver our product on time to customers. Created alarms, dashboards, and related infrastructure required to run a service to AWS standards. [Java, Python, Ruby | CloudFormation]
- Designed and orchestrated a "stack split" for our team's largest service/pipeline, resulting in two pipelines that could deploy AWS infrastructure and the underlying code implementations they relied on independently. This also afforded us a chance to organize deployed resources in more scalable and intelligible ways, eventually leading to P99 latency drops of up to 61%. [""]
- Planned and orchestrated an AWS region launch for my team's service, assisting sister teams on their own launches and advising management on timelines/risk. Due to a large absence of features in this region, this required deep analysis of our dependencies (services, infrastructure, and libraries alike) and several significant workarounds. [""]
- Created CDK package used for deploying highly-configurable document processing workflows. Features included prefilling documents via a chosen AI API (e.g. Amazon Textract), a 3rd party worker UI used for auditing, and the ability to scale to any number of documents while retaining the ability to track them all easily. [Python | CDK]

Amazon Devices · Over the Air Updates (OTA) *410 Terry Avenue North, Seattle, WA 98109*

Software Development Engineer I, Software Development Engineer II *Jul 2017 - Oct 2019*
- Worked on the over-the-air updates (OTA) team developing the ecosystem used to vend updates to millions of internal and customer devices. Reliability and retaining the ability to scale are key - updates should not break.
- Researched, proposed, and managed the migration of thousands of user-facing binary files to a new content delivery network without outages, cutting annual storage and delivery costs and improving the OTA team's ability to scale. [Java, Python, Bash, HTML]
- Designed and implemented an endpoint for the automated export of retained customer data in collaboration with another team focused on GDPR compliance, allowing our team to be compliant with minimal ongoing effort. [Java, JavaScript, HTML]
- Added features to a C library used for contacting the OTA service from memory-constrained devices.[C, C++]

Capital One *15075 Capital One Drive Richmond, VA 23238*

Software Engineering Intern *Jun 2016 - Aug 2016*
- Implemented biometric authentication features on top of a fork of the Capital One iOS app. [Objective C, Swift]
- Worked with remote team members, local teams, and external vendors to investigate and resolve issues with a vendor-supplied library.

Paying it Forward

BUILT BY GIRLS

Mentor *May 2020 - Jan 2021*
- Mentored 3 engineers beginning their careers on what to expect from a career in software engineering, finding the right job for them, and how to succeed in their current roles.
- Found the right people for them to speak to in cases where their ambitions were unfamiliar territory to me, or where I thought it might supplement my own experience, including front end web developers and accountants.

Seattle CoderDojo

Technical Volunteer *Oct 2019 - Jan 2020*
- Instructed and assisted children and young adults (K-12) on the use of programming languages.
- Participated in Hour of Code through CoderDojo and Amazon, assisted in event setup, handling admissions, and the event raffle.

Ohio State University Hometown Ambassadors

Team Leader *Oct 2015 - Jan 2017*
- Represented the Marysville chapter of The Ohio State University's Engineering Hometown Ambassadors program. Role required contacting school administrators at Marysville and other neighboring school districts to gauge interest and setting appointments.
- Responsible for team communication and collaborating with fellow team members to make the visit as meaningful as possible.