

Brian Xu

Full Stack Software Engineer

brianyxu96@gmail.com | 832-290-9561 | linkedin.com/in/brianyxu | brianyxu.com | github.com/brianyxu

Professional

Amazon

Software Engineer

Nashville, TN

August 2021-Present

- Lead development, including design reviews, of SWA-Lite framework, to launch Shipping with Amazon into new geos, starting with France and Spain.
- Revamped and standardized documentation process in order to streamline new hire onboarding experience.
- Collaborated with engineers across 4 different teams on S Team goal to launch fulfillment channel in Turkey, allowing delivery from seller location straight to customer.
- Served as primary on-call for SWA team, resolving 100+ tickets, including some high severity (SEV-2) issues.
- Designed and implemented an onboarding workflow change in the UK to allow shippers to onboard with 2-day delivery (2DD) rates. Created changes to ten different services, released in many deployments to guarantee system stability and allow for easy rollback options. Coordinated deployments with multiple teams in multiple time zones. These changes increased package volume of UK geo by 30%, with a single day peak of 82k 2DD packages.

American Express

Software Engineer II

Phoenix, AZ

August 2020-July 2021

- Immediately took leadership of a team that focused on building American Express's intranet URL shortener, dotAmex.
- Directed meetings with product leaders in order to prioritize features that would have the highest impact when delivered.
- Built front end from scratch using React and JavaScript and seamlessly integrated it with the backend for better UX.
- Delivered RESTful backend APIs that improved overall functionality of dotAmex. Handled requests in the scale of hundreds of thousands a week.

Research

Vanderbilt University

Research Assistant

Nashville, TN

August 2019-May 2020

- Utilized Machine learning algorithms on data provided by TDOT in order to build a road crash prediction model
- Integrated different features, such as road topology, weather conditions, speed limits, and others as components of the model

Education

Vanderbilt University

M.S., Computer Science

Nashville, TN

August 2018-May 2020

Vanderbilt University

B.S., Computer Science; B.S., Mathematics

Nashville, TN

August 2014-May 2018

Skills

Languages: Python, Java, JavaScript, TypeScript, C++

Technologies: Git, HTML & CSS, React, Node, Spring, AWS (DynamoDB, Lambda, S3, Cloudwatch, Cloudformation), MongoDB

Other: Cloud Practitioner AWS Certified