

Shad Khan

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Education

University of Maryland

B.S Computer Science, Business Analytics Minor

May 2020

GPA: 3.578

- **Awards:** UMD President's Scholarship, Semester Academic Honors (2018 – 2020)
- **Organizations:** Resident Assistant, Kappa Theta Pi Professional Technology Fraternity, Technica Hackathon Organizer

Technical Skills

Languages – Core Strengths: Java, Python, JavaScript **Experience With:** Kotlin, HTML/CSS, SQL

Technologies – Core Strengths: Vue.js, Git, Node, Dependency Injection, Jest, Mockito **Experience with:** Express.js, React.js, MongoDB, Bootstrap 4, jQuery, Unix, Pandas, Postman, AWS

Work Experience

Microsoft

Software Engineer – Azure Storage

Reston, VA

August 2021 – Present

Chewy

Full Stack Software Engineer – Web Platform: Pet Health

Boston, MA

June 2020 – July 2021

- Added core path-to-purchase healthcare e-commerce features to the customer-facing Chewy Web Platform, a large-scale presentation layer frontend application (Vue.js, Java, Kotlin) that can handle up to 300K concurrent users and 6K RPS
- Reduced rendering time to display healthcare pricing options on the Chewy Product Page by 3600ms by optimizing rendering logic, ensuring that customers can view all pricing options for Chewy Pharmacy items in real-time
- Owned the design and implementation of a feature to allow customers to add healthcare product bundles to their Chewy Subscription (Autoship), resulting in healthcare products accounting for ~17% of Autoship bundle order sales
- Migrated code in monolithic frontend applications (JavaScript) to microsite single page applications (TypeScript), decoupling business logic and drastically reducing time for releases from a weekly cadence to within the hour
- Promoted instantaneous response times to production incidents by creating Splunk and Datadog monitoring and alerts, utilized during peak sales periods (Black Friday, Cyber Monday) to anticipate and resolve potential customer issues

Fannie Mae

Software Developer Intern - Servicing Marketplace

Herndon, VA

June – August 2019

- Developed several features surrounding Fannie Mae's Commitment Eligibility and Loan Pricing Backend APIs using the Java Spring framework and worked on UI features involving the Servicing Marketplace Application using Angular

Projects

Helping Hand

December 2019

- Developed an Android application with a team that helps users register for and post new volunteering opportunities as well as filter through the events by their preferred date, time, capacity, and miles away from their current location
- Utilizes Firebase Authentication and Realtime Database, an Expandable List Adapter to display the volunteering opportunities and their details, and the Google Play Services API to acquire and provide location details

Respect The 3

December 2018

- Wrote a tutorial on the analysis of the 3-point shot's adoption, impact, and success within the National Basketball Association, which walks users through the entire data science pipeline: data curation, parsing, and management; exploratory data analysis; hypothesis testing and machine learning; and final insights learned
- Uses Pandas and NumPy for manipulating data, scikit-learn for machine learning, Seaborn and Matplotlib for data visualization and informative statistical graphics, and SQL Joins for combining datasets