PAUL KUSISTO

Contact@PaulKusisto.com

EXPERIENCE

DoorDash - Sunnyvale, CA

November 2025 – Present

Staff Software Engineer, Delivery Experience

November 2025 - Present

• Current role

Amazon – Seattle, WA || Remote

July 2017 – October 2025

July 2022 – October 2025

Senior Software Development Engineer, Amazon Physical Stores

- Mentored, guided, and served as technical leader for a team of 28 Software Development Engineers and 3 managers.
- Identified, surfaced, and fixed issues in shared internal and AWS systems, including fixing a critical error in S3's documentation.
- Identified and implemented major optimizations for performance-critical code, including decreasing one service's call volume to a dependency by 97.6%, and reducing another service's response size by 79%, all fully transparently to clients.
- Trained other engineers on AWS technologies, organizing and leading talks, workshops, and both team and one-on-one consultations on how best to leverage AWS technologies such as Lambda, DynamoDB, and S3.

Software Development Engineer, Amazon Go || Amazon Physical Stores

July 2018 – June 2022

- Proposed, advocated for, and led the implementation of a physical-stores-wide, tens-of-thousands-of-RPS scale, tier-1, globally-distributed, multi-region, multi-writer product attribute storage system used for more than 14 use cases across physical stores processes. This system is used for critical functionality across multiple lines of business, including alcohol licensing requirements in the UK, dimension and weight data for products in Just Walk Out stores, and food safety rules in Amazon Fresh.
- Designed and oversaw the implementation of a tier-1 system which integrated with the Amazon.com catalog to automatically categorize and group more than 50k products per store into the more than 8k "sets" that form the foundation of the Amazon Style experience. This system handled double-digit RPS in the critical path of systems ranging from the mobile app experience, to the ML recommendation algorithms, to the corporate-level planning process, to the over 3000 price labels per store.
- Performed updates on widely-used packages, such as migrating an Amazon-wide authentication library from Node.js 6 to Node.js 10, and adding rate-limiting controls to a DNS-management library used by more than 70 services within Amazon Go.

Software Development Engineer, Fast Fulfillment Experience

July 2017 – *July* 2018

- Built and operated critical, tier-1 distributed applications which processed millions of customer orders (worth more than \$120 million) each month across the USA, UK, Germany, India, and Japan in support of Amazon Fresh and Amazon Prime Now.
- Improved team processes and developer productivity as the team's scrum master.
- Scaled our automated end-to-end test system from concurrently testing 10 purchases to more than 1,000 purchases.

Software Development Engineer Intern, Imaging Systems

May 2016 - August 2016

- Worked with multiple business partners to design, develop, and test a new service to provide Amazon imaging studios around the world with dynamically generated style guidelines, imaging settings, and example images for every product being imaged.
- Created a prototype system which used image analysis techniques to identify mismatches between product images and titles.

Indiana University - Bloomington, IN

Undergraduate Instructor, CSCI-B 351 (Intro. to Artificial Intelligence)

August 2015 – December 2016

Cigital - Bloomington, IN

Intern, Cigital Assessment Center || Automation Team

May 2015 – August 2015

General Electric - Louisville, KY

IT Leadership Program, Factory Information Systems

May 2014 – August 2014

Cumulative GPA: 3.98/4.00

EDUCATION

Indiana University – Bloomington,IN

Bachelor of Science in Computer Science with Departmental Honors, and Highest Distinction

May 2017

August 2014

- Minor in Mathematics, and Minor in Entrepreneurship & Small Business Management
- Cross Campus Certificate in Entrepreneurship, and Certificate in Underwater Resource Management

Board of Aeons, Member

August 2016 – May 2017

Harvard Business School Online CORe: Credential of Readiness

Pass with High Honors

• Summer program of Harvard Business School involving three online courses: Business Analytics (quantitative methods), Economics, and Financial Accounting

TECHNICAL SKILLS

Languages: Java, Kotlin, Typescript Platforms: AWS Web: HTML, CSS, JavaScript