

JUSTIN C. AUSTIN

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EXPERIENCE

Senior Software Engineer 2022–Present

Kensho Technologies *Washington, DC*

- Technical lead of project to integrate internal datasets with large language models, enabling more trustworthy, reliable, and auditable answers for the Capital IQ Pro platform and board demos
- Mentor engineers on best practices in software engineering, ML Ops, and system architecture
- Led update of the company's continuous integration system to be over 5x faster
- Led initiative to increase release velocity across multiple products from weekly to at least daily
- Reduced time to market by over 10x across the company by developing a paved path, supporting arbitrary ML models, basic UIs, and collecting user feedback

Senior Machine Learning Engineer 2018–2022

Kensho Technologies *Washington, DC*

- Led design and development of greenfield classification product from notebook to production (\$60+ million valuation) between 4 teams and 7+ developers
- Led software development of entity linking product deployed to 10,000+ expert users
- Drove requirements for internal ML Ops services used by 15+ ML engineers by identifying shared problems within ML teams
- Designed and led an internal study group with 12+ members centered around machine learning productionization and engineering best practices

Machine Learning Engineer 2018–2020

Kensho Technologies *McLean, VA*

- Coinvented U.S. Patent 11,226,992, a process for dynamic data clustering, providing a 150x speed-up over the previous solution and supporting hundreds of articles a second
- Ported feature generation component from Python to Rust (first production use of Rust at the company), speeding up performance by over 50x and removing Redis dependency from the system

EDUCATION

University of Pennsylvania 2014–2018

- B.S.E. in Computer and Information Science and Philosophy, *cum laude*

SKILLS

Proficient: Python, Rust, Linux, Git, Elasticsearch, PostgreSQL, Django

Familiar: Java, AWS, Docker, Redis, MongoDB, Flask, HTML, CSS, TypeScript, JavaScript, React

Learning: UI/UX design, Figma, TLA+