

Daniel (Jawon) Kim

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PROFESSIONAL EXPERIENCE

Microsoft

Software Engineer II

Mar 2022 –

Redmond, WA

- Owned a large-scale RBAC ingestion pipeline processing ~650GB of data per 12-hr window to keep authorization data fresh.
- Onboarded core RBAC resources for query via Azure Resource Graph, serving ~60K user requests per hour for customer lookups.
- Designed and implemented a regionally isolated, pull-based ingestion mechanism to support safe deployment and regional results.
- Built a BCDR timer task to keep RBAC data live and queryable during potential partner outages and internal upstream failures.
- Designed cell-based infrastructure that partitions datasets at ingestion time (cold path) and synchronizes partition metadata with the query serving nodes (hot path) to remove scale-up limits caused by full dataset replication.
- Extended ingestion and serving pipelines across multiple Azure cloud environments, including sovereign and air-gapped clouds, while preserving consistency, reliability, and operational guardrails.

JPMorgan Chase & Co.

Associate — Software Engineer

Jun 2018 – Mar 2022

New York, NY

- Developed a Python-based risk management system to execute trades with over 80 clients connected through a JPMorgan provided API.
- Implemented automatic RFQ spotting and treasury hedge features in Java to enhance the firm's direct client connectivity experience
- Created a Splunk analytics dashboard to visually present live-time statistics on global RFQ routing results to the management team
- Built a self-updating directory of governed business terms using a Mule server to expose over 7,500 terms on an internal search portal
- Designed a scalable workflow for importing up to 100,000 records from internal and external sources to a Collibra data governance platform

Republic of Korea (ROK) Army / Joint Chiefs of Staff (JCS)

Joint Operations Sergeant

Sep 2015 – Jun 2017

Busan, KR / Seoul, KR

- Controlled and translated over 60 issuance JCS fragmentary orders issued to ROK Army, Air Force, and Navy on a monthly basis
- Edited and bound the quarterly Ministry of National Defense Military Intelligence Report Book for the National Assembly of Korea
- Contributed to the development and standardization of ROK Armed Forces Standard Operating Procedures across joint operations
- Managed logistics and administrative operations for a ROK Army rapid response unit, supporting personnel readiness in Busan.

EDUCATION

University of Pennsylvania School of Engineering

Master of Computer and Information Technology

Sep 2020 – Aug 2022

Philadelphia, PA

Overall GPA: 4.0/4.0

New York University Stern School of Business

B.S. in Business—Finance and Data Science, magna cum laude (Computer Science minor)

Aug 2013 – May 2019

New York, NY

Overall GPA: 3.8/4.0; Studied abroad at NYU Prague, Fall 2014

Honors and Affiliations: Leonard N. Stern Scholarship, Dean's List, Beta Alpha Psi Member, Business Analytics Club

LEADERSHIP AND EXTRACURRICULAR

UStrive by Strive for College

Volunteer Mentor

Dec 2019 – Mar 2022

Online

- Mentored 2 first-generation high school students and encourage them to pursue a higher education degree by helping with the applications
- Checked in with the mentees every month to discuss future education plans and areas of study in which they may potentially major
- Assisted the program participants with filing FAFSA and identifying relevant scholarships to make college education more accessible

NYU Stern Office of Student Engagement

Financial Technology Peer Mentor

May 2018 – May 2019

New York, NY

- Advised 16 mentees about the FinTech industry on one-on-one basis to connect the students with the appropriate resources
- Presented at the annual SternTalks event to over 600 attendees on starting a technical career with a financial background
- Led roundtables at welcome seminars for transfer students and those returning from leaves of absence to the Stern community

Vine Program

Volunteer Tutor

Feb 2018 – May 2019

New York, NY

- Instructed a group of 10 children on English Language Arts and Mathematics in preparation for the state standardized exam
- Managed student behaviors during 2-hrs weekly class sessions and counseled students with academic challenges at school
- Organized monthly parents-tutor nights to encourage community interactions and discuss the students' performances

RELEVANT SKILLS & INTERESTS

Languages: English (Native), Korean (Native)

Computer: C#, Python, Java, C, Mule Expression Language (MEL), SQL, KQL

Certifications: Passed CFA Level I Exam, MOS Excel 2010 Expert, Bloomberg Market Concepts (BMC) Training

Interests: Home cooking, cocktail craftsmanship, and international travel