

John Ahn

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WORK EXPERIENCE

Meta

June 2022 – Oct 2023

Software Engineer | Manhattan, NY

- Worked in the Business Data Foundations team to develop the Advertiser Graph, the company's central sales data platform.
- Launched Asset Platform v2, a new data model re-defining connections between advertiser organizations and their assets, eliminating asset management conflicts, and removing duplicate connections. Migrated over 300 million existing connections to the new platform seamlessly by using gatekeepers to update infrastructure code and tests before deploying to production.
- Developed and implemented new features for Matchmaker, a backend service that governs connections between objects in the Advertiser graph using business logic and machine learning models.
- Proactively addressed and resolved over 400 tasks during on-call rotations, including critical SEVs. Responsibilities included addressing privacy tasks, troubleshooting test failures, refactoring outdated code, and resolving reported bugs.

Booz Allen Hamilton (Top Secret Clearance, TS/SCI)

Mar 2021 – June 2022

Senior Backend Engineer | Belcamp, MD

- Modernized and developed Azure REST APIs for the Department of Homeland Security's Management Cube project, enhancing data management and accessibility.
- Served as lead engineer for the Rainmaker project, designing and developing the system based on stakeholder requirements to improve data integration and analytics capabilities.
- Engineered and deployed docker container microservices such as NiFi, Spring REST APIs, Kafka, and PostgreSQL within isolated networks. Provided guidance to clients on system development and deployment best practices.
- Earned the 'Collective Ingenuity' award for pioneering a new feature in Rainmaker's data fabric, enabling the translation of sensor data into actionable intelligence, significantly improving operational decision-making.

Sinclair Broadcasting Group

May 2020 – Mar 2021

Data Engineer / Cockeysville, MD

- Architected and implemented scalable solutions to source data from production systems into Sinclair's Azure Data Lake.
- Designed and developed robust data pipelines using Azure Data Factory, Azure Batch Services, and Azure Functions, ensuring efficient and reliable data flow across systems.
- Migrated on-prem SQL Server Databases to Azure SQL Server with elastic pools, optimizing performance and resource efficiency. Additionally, reduced storage costs by 80% by transitioning archivable blob data to cold storage.

Freddie Mac

Feb 2017 – May 2020

Software Developer | McLean, VA

- Developed Pricing Manager, a multifamily loan pricing application for Freddie Mac, used by analysts to price deals ranging from \$15 million to hundreds of millions, contributing to over \$50 billion in annual funding.
- Implemented testing procedures to generate quotes across pricing grids and eliminate pricing errors whenever manual basis point price changes were made thus reducing costs related to pricing errors.
- Collaborated with cross-functional teams of developers and DBAs to design and integrate SQL Server objects, including stored procedures, views, triggers, tables, and functions, optimizing the application's performance and data model.

EDUCATION & CERTIFICATIONS

University of Maryland, College Park

Aug 2010 - May, 2014

Bachelor's Degree, Economics

MCSA: SQL Database Developer

Nov 2017 - Present

Microsoft Certified Professional / License# 14480447

TECHNICAL SKILLS

- **Programming Languages:** Python, PHP (Hack), SQL, JavaScript, VBA
- **Datastores:** Azure (CosmosDB, Data Lake, Synapse, SQL Server), AWS (S3, DynamoDB), Access, SQL Server
- **Tools:** React, Relay, GraphQL, Azure (Data Factory, Functions), AWS (Amplify, Lambdas, EC2), Docker, Kubernetes, Git