

Akiko Iwamizu

Engineering Manager

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With 10+ years of experience building scalable products and 3+ years leading engineering teams, Akiko is an innovative leader with the technical expertise to solve complex challenges, mentor talent, and foster collaboration and continuous improvement to deliver impactful software solutions.

Work Experience

Engineering Manager / Director of Technology

Oct 2021 - Present

[Voter Formation Project](#) | Remote, USA

- Hired and onboarded a diverse team of engineers, product managers, data scientists, and analysts, achieving a 70% representation of women and minorities in technical roles.
- Managed end-to-end project lifecycles, ensuring adherence to timelines and budgets.
- Led professional coaching and mentorship programs, boosting employee retention and team morale.
- Built strong relationships across teams, enhancing organizational communication and alignment.
- Leveraged domain expertise to drive technical excellence by implementing agile frameworks to streamline processes.

Senior Data Engineer (Contract)

Apr 2024 - Dec 2024

[National Audubon Society](#) | Remote, USA

- Migrated legacy DBMS from Flyway to dbt and optimize SQL scripts to integrate with the new system.
- Built ETL pipelines using dbt to automate data ingests into Snowflake, streamlining workflows for data science teams.
- Authored Confluence documentation, elevating knowledge base quality standards and accessibility.
- Consulted on software engineering best practices, architecture brainstorming, and technical innovation.

Senior Data Engineer (Contract)

Oct 2021 - Sep 2022

[Purpose Campaigns LLC](#) | Remote, USA

- Developed data infrastructure, API pipelines, and scraper jobs reducing data delivery time by 40%.
- Documented project requirements in Confluence communicating clear functional and technical specifications.
- Designed Looker Studio dashboards for leadership to monitor project progress and impact.
- Advised on data strategy and system architecture for storing and accessing large volumes of data.

Lead Analytics Engineer

May 2021 - Oct 2021

[Voter Participation Center](#) | Remote, USA

- Mentored junior engineers, enhancing their technical expertise and guiding their career progression.
- Led the design and implementation of efficient distributed systems to enhance data processing capabilities.
- Collaborated with data scientists to translate their needs into code and build pipelines to automate existing systems.
- Migrated legacy systems using STATA to secure, scalable cloud infrastructure, reducing system downtime by 50%.

Senior Data Analyst / Data Engineer

Sep 2020 - May 2021

[ACRONYM](#) | Remote, USA

- Leveraged advanced data processing skills to build ETL data pipelines with Cloud Functions to collect API data.
- Developed R codebase to automate and analyze Randomized Controlled Trials, measuring program impact.
- Led migration to GCP, saving \$80K annually by consolidating costs incurred by disparate legacy cloud services.
- Trained data analysts on SQL best practices to parse large volumes of data while reducing query costs.

Lead Data Scientist

Feb 2018 - Sep 2020

[RTBiQ Inc.](#) | San Francisco, CA, USA

- Spearheaded the migration of legacy database systems from on-premise servers to the cloud reducing costs by \$1M.
- Developed a predictive model using machine learning techniques to forecast foot traffic for customer store locations.
- Designed a reporting service using Python to process and analyze TBs of first-party data in MongoDB.
- Trained data analysts to build audience lists using optimized SQL queries and generate reports for key metrics.

Statistical Analyst / Data Scientist

May 2014 - Mar 2016

[TiVo Inc.](#) | Alviso, CA, USA

- Led migration of legacy database systems from on-premise servers to the cloud reducing costs by \$1M.
- Managed an offshore QA team using sprint planning for data processing and structuring in AWS Hadoop.
- Contributed in building a comprehensive machine learning platform for predictive modeling and forecasting.

Core Skills

Engineering Project Management, Software Engineering, Agile Development, Budget Management, Product Management, Machine Learning, Cross-Team Communication Skills, Project Prioritization

Education

University of California, Berkeley

May 2021 - May 2023

Master of Information and Data Science (MIDS) in Data Science & Engineering.

Focused on machine learning at scale, high-performance distributed systems, data processing pipelines, and monitoring solutions.

Columbia University

Aug 2011 - Jan 2015

Bachelor of Arts (BA) in Mathematics, Statistics, & Computer Science.

Focused on applied mathematics and programming, with courses like Algorithms, Data Structures, Statistics for Data Science, and iOS Programming.

Languages

English (*Native*), Spanish (*Intermediate*), Japanese (*Elementary*)