Li Chen

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Data Engineer and Analytics Lead - Bayer. Saint Louis, 8/19 - present
Lead two teams of data engineers to deliver a full suite of services, including data engineering, data visualization and analytics to enable the lab testing and field trial, respectively.
The key technologies used in this role are data streaming technologies (Kafka, SNS, SQS, etc) and batch processing technologies(Airflow, Python and AWS Lambda).

Data Engineer Lead - Monsanto. Saint Louis, 8/16 - 8/18
1. Led a team of data engineers and data visualization specialists to develop key data pipelines and data dashboards, which enabled harvest data analysis and pipeline advancement in Monsanto R&D. The key technologies that I used in this role were ETL, data warehouse, cloud storage, Airflow, Spotfire and R-shiny

2. Developed a web application that captured decision criteria for automated pipeline advancement. The key technologies that I used in this project were HTML, Bootstrap, javascript, NodeJS, Express, and MongoDB.

Product Manager - Monsanto. Saint. Louis, 8/10 - 8/16
1. Led the agile development of a cloud-based IT system that has functioned as the foundational IT infrastructure for the early phase microbial testing pipeline. The key technologies that I used in this project were product road map and REST API design

2. Managed the external collaboration with Novozymes' IT team to build a data exchange system together to share the microbial pipeline data. The key skills that I used in this project were feature specification, project management and lean operation.

3. Led the development of Monsanto's Big Data platform for genomic sequences storage and analysis, which shortened the trait gene discovery cycle from two weeks to one day through integrated sequence analysis and visualization. The key skills that I used in this project were product road map, user story, Scrum and UX design.

EDUCATION
M.S. in Computer Science
Georgia Institute of Technology, 2017 - 2019
M.B.A
University of Connecticut, 2007 - 2010
Ph.D. in Biomedical Science
University of Connecticut, 2004 - 2009