

# EMILY CHEN

## SENIOR DATA ENGINEER

### CONTACT

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### SKILLS

- AWS
- Azure
- Data Engineering
- Data Science
- Machine Learning
- Python
- SQL
- Apache Kafka
- Apache Spark

### EDUCATION

Bachelor of Science  
Sep 2014 - Jun 2018  
Stanford University  
Stanford, USA  
Computer Science 3.8

### LANGUAGES

English Native  
Spanish Intermediate

### CERTIFICATES

AWS Certified Data Engineer  
Jan 2020  
AWS

### SUMMARY

Highly skilled Senior Data Engineer with 5+ years of experience in designing and implementing large-scale data pipelines and architectures using cloud-based services such as AWS and Azure. Proven track record of delivering high-quality solutions on time and on budget. Strong technical skills in data engineering, data science, and machine learning, with a passion for innovation and continuous learning.

### EXPERIENCE

Senior Data Engineer Jan 2020 - Present  
Amazon Web Services New York, USA  
Leading the development of large-scale data pipelines and architectures using AWS services such as S3, Glue, and Redshift

- Designed and implemented a data warehousing solution using AWS Redshift, resulting in a 30% increase in query performance and a 25% reduction in costs
- Developed and maintained multiple data pipelines using AWS Glue, processing over 10TB of data daily
- Collaborated with cross-functional teams to design and implement a real-time data streaming platform using AWS Kinesis and Apache Kafka

Data Engineer Jun 2018 - Dec 2019  
Microsoft Seattle, USA  
Built and maintained large-scale data pipelines and architectures using Azure services such as Azure Data Factory and Azure Databricks

- Designed and implemented a data integration solution using Azure Data Factory, resulting in a 40% increase in data processing efficiency
- Developed and maintained multiple data pipelines using Azure Databricks, processing over 5TB of data daily
- Collaborated with data scientists to design and implement machine learning models using Azure Machine Learning

### PROJECTS

Real-time Data Streaming Platform Jan 2020 - Jun 2020  
Lead Developer  
Designed and implemented a real-time data streaming platform using AWS Kinesis and Apache Kafka, processing over 1MB of data per second  
AWS Kinesis • Apache Kafka • Python

Data Warehousing Solution Jun 2019 - Dec 2019  
Lead Developer

Certified Data Engineer with expertise in designing and implementing data pipelines and architectures using AWS services

## Azure Certified Data Engineer

Jun 2019

### Microsoft

Certified Data Engineer with expertise in designing and implementing data pipelines and architectures using Azure services

Designed and implemented a data warehousing solution using AWS Redshift, resulting in a 30% increase in query performance and a 25% reduction in costs

AWS Redshift • SQL • Python