

# Chrissy Jeon

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## EXPERIENCE

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### UnitedHealth Group/Optum

March 2022 – December 2023

*Software Engineer (Contract)*

Piscataway, NJ

- **Value Impact Modeler**

- Implemented REST APIs to facilitate seamless reporting between external entities (Medicare, Medicaid, and Commercial) and our internal analytics team to assess potential cost and financial signals effectively
- Developed a user-friendly Angular front-end to visualize different opportunity scenarios, providing users with a comprehensive understanding of cost models and potential savings
- Achieved significant cost reductions for external entities by 30% through efficient cost model implementation and API integration

- **Data Orchestration Platform**

- Configured a robust data orchestration system on Azure, leveraging messaging systems such as Kafka, Pulsar, and Azure Service Bus for streamlined data flow and seamless communication across multiple teams
- Engineered automated data pipelines to ingest external file metadata from sources such as S3 and Azure Blob Storage, and trigger downstream ETL processes through scalable scheduling via cron jobs
- Developed modular data workflows for transforming, cleansing, and mapping the external cost signals and data into compliant models for the analytics team

### Catalyst Coalition

August 2021 – March 2022

*Software Engineer Intern*

Dulwich, GA (Remote)

- Created web components with React and JavaScript for the eBookBuddy platform to facilitate connections with at-risk student
- Pioneered a frame component that separates participant video feeds from the main screen to allow for free drag without latency, creating a better user experience on both ends for navigating through a live video call
- Helped support end-to-end implementation for features by deploying a Jitsi Meet (video conferencing software) installation on an AWS EC2 instance to act as the corresponding backend service for various video-related web components

## SKILLS

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**Languages:** Java, Groovy, Python, C#, C, C++, JavaScript, Typescript, Bash, HTML/CSS/SASS, SQL

**Technologies & Frameworks:** Spring Boot, ReactJS, Angular15, AWS, Azure, Apache Pulsar, Kafka, Azure Service Bus, Maven, JUnit, Jasmine/Karma, SonarQube/SonarLint, Selenium, Jenkins

## PROJECTS

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### Smart Stream: Which Service Should I Choose?

- Provided insights into user subscriptions on Netflix, Amazon Prime Video and Disney+ movies by analyzing age, genre, and genome tags via MapReduce, Hive, and Spark on high performance computing cluster
- Discovered that Netflix and Amazon Prime Videos share similar genre and genome tags but had different target age groups
- Featured in Towards Data Sciences on Medium

### How to Make A Day!

- Web app that allows users to share their day-out plans with images and descriptions and leave ratings for other users to browse
- Developed using Node.js, Express, and MongoDB alongside with Passport.js for user authentication and the Google Maps API for location handling

## EDUCATION

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### New York University

B.A. in Computer Science & Philosophy

New York, NY

May 2021