

Chrissy Jeon

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EXPERIENCE

UnitedHealth Group/Optum

March 2022 – Present

Software Engineer (Contract)

Piscataway, NJ

- **Value Impact Modeler**

- Implemented REST APIs to facilitate seamless communication between our analytics team and external entities, specifically Medicare, Medicaid, and Commercial, enabling them to assess potential costs 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 Azure Data Factory workflows for transforming, cleansing, and mapping the external 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

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

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

New York University

New York, NY

B.A. in Computer Science & Philosophy

May 2021