

KELSANG TSERING

New York, NY

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[LinkedIn](#) | [Portfolio](#) | [GitHub](#)

SKILLS

Programming Languages: Scala, Python, JavaScript, Ruby. Elementary in Java.

Technologies: Scio, Luigi, Flyte, Flink, Apache Beam, Kubernetes, Google Cloud Dataflow, BigQuery, BigTable, Tableau, Google Cloud Storage, React, Node.js, Express.js, Ruby on Rails, PostgreSQL, MongoDB.

EXPERIENCE

SPOTIFY

Associate Developer - NYC Technology Fellowship

New York, NY

08/2023 - Present

- Embed with production-grade teams as a Data Engineer, working on big data processing and analysis
- Create and maintain pipelines, performing ETL functions, that process terabytes of data on a scheduled basis
- Implement testing for pipelines that generate data for the Spotify for Artists platform, ensuring data passes validations and checks prior to being viewed for analysis
- Utilize industry tools such as Google Cloud Dataflow and BigQuery to run pipeline jobs and query existing datasets
- Contribute to production GitHub repositories of data pipelines that multiple squads at Spotify rely on
- Refactor data endpoints and communicate effectively with other downstream squads about the changes made
- Created RFC doc to lay out a plan for refactoring existing pipelines to use standardized internal tooling
 - Tailored work to focus on improving the efficiency of pipeline runtimes and implement possible cost savings.

PROJECTS

Memory Hacking Project - Spotify

Full stack application created to help patients suffering from Dementia

- Spotify in-house application that is to be used by caretakers of Dementia patients, where patient information can be inputted and a curated Spotify playlist is generated, consisting of songs that would invoke nostalgic feelings for the patient
- Created a Scio and Luigi based data pipeline that consumed large datasets, such as user listening behavior, to compute nostalgic filtering logic and provide a candidate table of nostalgic songs based on demographic groupings
- Added unit tests to the data pipeline to ensure that the pipeline behaves as expected
- Communicated and worked with 5 other Spotify fellows to create this new feature from the ground up
- Attended daily standup and implemented SCRUM practices to ensure the project was on track to being completed on time
- Utilized industry-standard practices, such as git workflows to ensure work could be parallelized and reviewed by peers and mentors before being merged into the master branch
- Worked with backend developers who would query the output table to generate desired playlists for the user.

Rainier

[Live](#) | [GitHub](#)

Full stack clone of Amazon utilizing React/Redux, Ruby on Rails, PostgreSQL, and Amazon S3.

- Created a shopping cart system through the use of CRUD functionality, allowing users to add/remove/update items to their cart for purchase
- Developed fully encrypted user authentication using BCrypt, creating a secure method for users to sign up, sign in, and sign out
- Leveraged Amazon S3 to store seed files for products and retrieved them using Rails associations, enabling faster retrieval of product images for listings.

EDUCATION

APP ACADEMY

Full Stack program

New York, NY

01/2023 - 04/2023

- Immersive 16-week full stack software development program with a < 3% acceptance rate
- Collaborated with classmates throughout the course through pair programming exercises, fostering strong communication skills
- Employed the use of TDD principles when writing code.

BARUCH COLLEGE: ZICKLIN SCHOOL OF BUSINESS

New York, NY

Bachelor of Business Administration in Finance, Minor in History

Graduated 06/2021

- GPA: 3.756/4.0 *magna cum laude*
- Honors: Enrolled in Dean's Scholars Program, Dean's List (Awarded 7 times, Oct. 2018 – June 2021), Awarded Full-Tuition Scholarship.