

KISHAN SEGU

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Software Engineer

WORK EXPERIENCE

Mastercard Inc.

Arlington, VA

Software Engineer II

October 2020 – Present

- Designed and developed new Java & Spring Boot microservices for Mastercard's new B2B Payment's platform(Track BPS).
- Enhanced performance of existing POST APIs by ~17% for Buyer and Supplier's core payment flow by reducing database hits and optimizing the data structures utilized.
- Researched and implemented Auditing Tables for all existing microservices utilizing Hibernate's Envers framework and reduced QE's issue investigation time by >20%.
- Designed and developed CRUD APIs for new and existing microservices accounting for varying requests & responses as well as database availability, consistency(using caching when necessary).
- Developed UI Components and enhancements for the Payment Portal using Angular.js.
- Worked with Product Managers to scope, prioritize and break down new features that would improve the Track BPS product with rigid timelines.

Fundrise Inc.

Washington, DC

Software Engineer

August 2019 – October 2020

- Grew user email interaction by 15% by single-handedly developing a full stack "Tagging" application using Java, Spring, Angular.js & Hibernate that allowed Fundrise's analytics team to classify user data in a unified data store.
- Engineered end-to-end daily processing tasks to retrieve and send user data to Iterable's API using Amazon's SQS queue to handle time sensitive updates used for targeted email campaigns.
- Improved query latency by ~22% by migrating Fundrise's App Visits table and associated methods from a relational SQL model to AWS DynamoDB (with sort and partition keys) using the DynamoDB Query language.

EDUCATION

University of Maryland, College Park:

May 2019

Bachelor of Science

Dual Degree: Computer Science, Economics

SKILLS

- Proficient in Object Oriented Java programming
- Versed with Hibernate & Spring frameworks, PostgreSQL and various AWS services (SES, SQS, DynamoDB, S3)
- Familiar with Angular 11 and Python
- Fluent in English, Hindi, Kannada, Telugu and Spanish

ACCOLADES AND INTERESTS

- Mastercard Track "Top Performer of the Quarter" Award, Dean Award Recipient at UMD & Volunteer Awards for 750+ service hours at SSVT Temple & Shady Grove Hospital
- Interests in Indian Classical Music, Meditation, Self-Development Reading, Guitar, Tennis, Super Smash Bros, Pokemon, Naruto, One Piece(anime in general!)