

## PERSONAL INFO

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**Location:**  
New York City

## TECHNICAL SKILLS

Java	Proficient
JavaScript	Proficient
Python	Proficient
SQL	Proficient
VBA	Proficient
HTML	Proficient
Spring Boot	Proficient
ReactJS	Intermediate
NodeJS	Intermediate
Microservices	Proficient
AWS	Intermediate
GCP	Intermediate
CD/CI	Intermediate
TDD	Proficient
Unix/Linux	Intermediate

## EDUCATION

*Baruch College, New York, NY*  
Bachelor of Business  
Computer Information Systems

*Columbia University, New York, NY*  
Full-Stack Bootcamp

## TRAITS

Problem solver  
Work in harmony with others  
Passion for learning and exploring new skills  
Passion for teaching

## LANGUAGES

Fluent in English  
Fluent in Mandarin Chinese

## SUMMARY

Software Engineer with experience in designing and building applications using MERN (MySQL/MongoDB, Express, ReactJS, NodeJS) software stack. API and microservices development with Spring Boot. Integrating cloud tools such as AWS Cognito, S3, containerizing applications using Docker, CD/CI using CircleCI, and deploying applications using cloud infrastructures such as AWS S3, Amplify and API gateway.

## EXPERIENCE

- 2018 - Present**                      **Software Engineer**  
*Mount Sinai Genomics Inc, DBA Sema4, New York, NY*
- Design, develop, deploy and maintain a Laboratory Sample Tracking System using MERN stack which effectively decreased TAT, sample misplacement and error rate.
  - Design, develop, deploy and maintain a dashboard frontend for the product team to provide real-time status updates.
  - Design and develop various Python scripts to automate secure file transfers between entities and monitor critical system health and to timely alert for troubleshooting, which helped transition from reactive to proactive style for handling application errors.
  - Design and develop various AWS Lambda functions using Nodejs to automate various workflows.
  - Employ Agile concepts in software development to keep track of ongoing changes and issues.
  - Maintain and develop new features in the existing Java codebase.
  - Deploy and setup cronjobs in Linux virtual machines.
  - Utilize various cloud services such as AWS Cognito, Lambda, DynamoDB, S3, Amplify, API Gateway, CloudFormation, Serverless Framework for application development, deployment and management.
  - Containerize applications using Docker and manage through Kubernetes.
  - Utilize CD/CI practices using CircleCI and Jenkins for application development and deployment.

- 2018 - 2019**                      **Bootcamp student**  
*Columbia University, New York, NY*
- Design, develop and deploy an Inventory Tracking system using MERN stack for a business which provided visibility to daily inventory flows.
  - Work extensively with Java API development using Spring Boot.
  - Use Test Driven Development process in developing applications.
  - Design and build monolithic applications such as game store ordering and inventory system, video rental system. Eventually breaking them down into microservices.
  - Incorporate existing microservices to application.
  - Apply patterns such as Circuit Breaker, Security, Queueing, Caching and Client Discovery to microservices.
  - Teach fellow classmates on hard concepts by breaking them down into easily digestible pieces.
  - Debug and review unfamiliar code.