



# Abraham Gaber

## SOFTWARE ENGINEER

### SUMMARY

Software Engineer; professionally experienced with enterprise software practices and systems. Generalist with a broad set of technical skills and an aptitude for learning quickly and adapting to new code bases and tech stacks. Highly cross-functional and eager to solve a wide range of engineering challenges. Expertise in Java Microservices, Distributed Systems, Linux, Python, SQL & NoSQL databases, frontend frameworks and API and backend design. Enjoys building projects from design doc to production. Interested in web services, big data, systems design and finding creative solutions that can make the world a better and more fun place for everyone.


### PERSONAL DETAILS

#### Location


New York, United States


### CONTACT

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 (646) 464-2447

 [agaber.dev](http://agaber.dev)

 [agaber](https://www.linkedin.com/in/agaber)

 [agaber](https://github.com/agaber)

### WORK EXPERIENCE

#### • Senior Software Engineer / TL, Scaled Music Curation

##### YOUTUBE

2018 - 2023

- Designed scalable systems for managing YouTube's vast corpus of artist and user generated music content which resulted in a 43% improvement in key music metadata metrics.
- Team Lead (TL); defined near + long term objectives and strategies; maintained high system availability; mentorship.
- Hands-on full-stack engineer; Polymer & TypeScript UI; Microservices; REST and RPC APIs; Spanner database design & optimization; Data Analytics and custom Dashboarding.
- Java readability reviewer; Enforced Google's high standards for Java code by reviewing over 500 submissions. Mentored engineers by guiding them towards best practices, tools and conventions.

#### • Senior Software Engineer, CorpEng & Enterprise Legal Apps

##### GOOGLE

2015 - 2018

- Indexed legal documents and made them available for structured and unstructured search to Google's legal teams.
- Created ETL (extract, transform, load) pipelines using Google Cloud Platform (GCP) and proprietary distributed systems.
- Full stack contributions. AngularJS; AppEngine; BigQuery; Google Cloud SQL; Google Cloud PubSub; Hibernate; JavaScript; Java.

#### • Software Engineer, Ads

##### GOOGLE

2008 - 2015

- Designed buy-side products that enabled clients to traffic highly visible ad campaigns efficiently.
- Built big data pipelines by leveraging Google proprietary distributed systems, NoSQL databases, Master Election and async notification systems (pub/sub).

#### • Software Developer

##### MEDIDATA SOLUTIONS

2005 - 2008

- Integrated custom functionality into base enterprise web applications that captured and reported on clinical trial data.
- Delivered results using C#, ASP.NET and Microsoft SQL Server.

#### • Computer Hardware Technician

##### 4G DATA SYSTEMS

2004 - 2005

- Repaired IBM PC compatible computer hardware, servers, laptops, and printers.
- Certified CompTIA A+ and Network+ professional.

### EDUCATION

#### • Bachelor of Science - BS, Computer Science

CITY UNIVERSITY OF NEW YORK - COLLEGE OF STATEN ISLAND

2004

### SKILLS

Java

Python

JavaScript

TypeScript

C#

C++

SQL

HTML / CSS / SASS

Kubernetes

gRPC

Spring Boot

MongoDB

MySQL

Google Cloud Platform (GCP)

Linux

Git

Mercurial

Bootstrap

Docker

Distributed Systems

API Design

Frontend Web Development

Backend Systems Design

PubSub

Big Data

SQL and NoSQL Database Systems

Object Oriented Programming (OOP)

RESTful Web Services

Microservices