

# Brian Marks

## Contact Information

Area New York City  
Email [Bmarks1056@gmail.com](mailto:Bmarks1056@gmail.com)

## Languages

Scala  
Python  
SQL  
Java  
Golang  
JavaScript  
HTML/CSS

## Skills and Competencies

Cloud Computing  
Microservices  
Docker/Containers  
Elasticsearch  
Service Design  
Web Development  
Figuring It Out

## Education

*New York University –  
Tandon School of  
Engineering*  
B.S. in Computer Science  
with Minors in Math and  
Physics  
Cumulative GPA: 3.8 –  
Magna Cum Laude

## Projects

### [ZestyRecipes.co](#)

- Recipe blog to share my recipes and cooking experience

### [DavidMeet.com](#)

- Fun project to help meet people that share the same name, David

## Professional Experience

### Bazaarvoice (acquired Curalate)

#### Staff Software Engineer Team Lead

Aug 2020 – Present

*Backend software engineering team lead for a reviews SaaS platform*

- Lead and mentored a team of 5 engineers with ownership over the core systems and libraries that all other microservices rely on
- Oversaw the breakdown of a monolith into microservices while serving live traffic to customers without any downtime
- Identified and resolved issues that reduced total AWS spend by over 20% without any impact on clients or internal consumers
- Created a link shortening system akin to bit.ly to reduce global latency and introduce metrics that were previously unattainable
- Developed deep integrations with third-party analytics vendors to improve the robustness of data presented to clients

### Curalate

#### Software Engineer

Aug 2016 – Aug 2020

*Backend Software Engineer for social media SaaS platform*

- Designed and developed clickstream analytics pipeline, including processing, recording, storage, and reporting on tons of interactions (>6B per month) with near 100% uptime using AWS Redshift
- Redesigned an internal social media search engine using Elasticsearch, ingesting >300M documents per month and handling all search requests with a flexible and autogenerated search API
- Developed a serverless edge computing solution for our public APIs that provided low latency, high availability, and additional telemetry that serviced 2B+ requests per month
- Designed and operated our data warehouse using AWS Redshift to support data scientists, business analytics, and product decisions
- Participated in the On-Call Engineering (OCE) rotation for responding to high-priority alerts around the clock

### Nokia

#### Software Engineer Co-op

June 2015 – Aug 2016

*Software Engineer Co-op in the wireless division of Nokia, a company that works on cellular towers and related devices for wireless carriers*

- Improved the software development environment with various tools and utilities, primarily in Python
- Designed a Python application to parse large log files and perform data analysis and visualization
- Prototyped a Python application to find broken links in source code and suggest possible fixes