

# Arshi Jujara

*A compassionate engineer  
driven by ethics in technology*

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## Objective

Seeking backend roles involving social impact and democratizing access to opportunities

## Skills

**Languages:** GraphQL, StratoQL (Twitter), Scala, Java, Python, C/C++, JavaScript, TypeScript, Go, SQL, C#

**Databases:** Manhattan (Twitter), PostgreSQL, MongoDB, Redis, DynamoDB, Firebase, GeoServer

**Frameworks:** Finagle/Finatra, Strato (Twitter) React/Redux, React Native, Node, Angular, Vue

**Design:** Maya, Figma, Adobe – Photoshop, XD, Illustrator, InDesign, After Effects

**Data Science & Analysis:** Pandas/GeoPandas, R, Numpy, Jupyter Notebook, Visualizations

## Certifications

AWS Certified Cloud Practitioner  
Score: 984 / 1000

## Publications

Jujara, Arshi; Lee, Samantha; and Song, Samantha, "Solemate: A Music App for Runners" (2019). *Computer Engineering Senior Theses*. 149.

## Interests

Music production, mathematical art, architecture, fashion design, film photography

## Experience

### Software Engineer II @ Twitter, GraphQL Platform

May 2021 – Nov 2022, San Francisco, CA

- Stewarded the GraphQL API, a critical high-traffic core service serving as the backbone of nearly 100% of product features at Twitter receiving over 700k requests per second
- Shepherded the API design for 8 high revenue-impacting features, significantly increasing developer velocity and decreasing the team's engineering time by 4-6 weeks on average
- Led a team of 2 to build a custom GraphQL directive resulting in a notable improvement of a 90% decrease in lines of code and 94% decrease in number of files per code revision
- Defined standards for paginated data through the Slices Specification and improved the compiler and schema generation system to autogenerate paginated types and fields
- Authored 5 comprehensive technical design documents describing code changes at scale
- Coordinated and facilitated meetings with large stakeholders regularly

### Associate Software Engineer @ Moody's Analytics, MATR Rotation Program

Aug 2019 – May 2021, San Francisco, CA

*Rotated on 3 teams in a 2-year rotation program focused on leadership & technical skills Accelerator - Tech & Innovation Team*

- Steered the technical direction in 3 week-long design sprints identifying new business opportunities and rapidly prototyping them using Lean Startup techniques
- Led 4 initiatives that introduced innovative and high-performing tech company-wide
- Drove user interviews with clients and designed prototypes in Figma

#### Accelerator - Commercial Real Estate Team

- Owned 4 large-scale critical maps-related features core to the Commercial Location Score and REIS platforms, becoming the Google Maps and Mapbox APIs in-house expert
- Led the product design and development of the company's first ever mobile application

### Software Engineer Intern @ Moody's Analytics

Jun 2018 – Aug 2018, New York, NY

- Streamlined the transformation and loading of data (known as ETL) by 50% through a web tool designed and developed from scratch using Spark Java, MongoDB and JS
- Led successful Girls Who Code workshops as an alum and offered thoughtful mentorship

### Creative & Design Assistant @ Santa Clara University, Leavey School of Business

Oct 2016 – Jun 2018, Santa Clara, CA

- Directed the creative vision, drew concept figures, and performed copyediting for *Building a Successful Social Venture*, a book used by hundreds of MBA students each year

## Education

### New York University, Stern School of Business (Part-Time)

Feb 2023 – Present, New York, NY

Master of Business Administration, Specializations in Strategy, Entrepreneurship & Innovation

### Santa Clara University

Sep 2016 – Jun 2019, Santa Clara, CA

Bachelor of Science in Computer Science & Engineering, Minor in Mathematics

**Awards:** Bronco Scholarship, **Involvements:** Theta Tau (Professional Engineering Fraternity)

## Projects

### Solemate

Sep 2018 – Jun 2019, <http://www.arshi.com/solemate.html>

Led a team of 2 to build an iOS app that enhances the running experience by using music as a training tool with a proprietary feed-forward algorithm that sets the user's pace