Raayan Pillai

CONTACT INFORMATION

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EDUCATION

University of Rochester, Rochester, NY

B.S., Computer Science **Sep 2014 – May 2018**

PROFESSIONAL EXPERIENCE

Goldman Sachs, New York, NY

Technology Analyst **Jul 2018 – present**

Engineer for the Investment Banking Division. Notable projects include:

- Planned and developed the first common micro-service between Debt and Equity capital markets teams. (Java, Spring, Hibernate)
- Helped build a communication system for a group of banks to communicate deal updates and orders between each other and investors using the FIX protocol. (Java, FIX, QuickFIX/J)
- Spearheaded the uplift of our integration testing framework to increase test reliability and importance. (Selenium, Jenkins, Maven)
- Worked on an internal platform for syndication bankers to execute deals. (React, Java)
- Reduced weekly service downtime by reorganizing and optimizing micro-service reboot sequence.

Goldman Sachs, New York, NY

Summer Technology Analyst **May 2017 – Aug 2017**

Replaced a monthly private wealth management performance report, requiring 4-5 hours of manual calculation, with a daily updated dashboard. Achieved by integrating lending (mortgage and loan) data and relevant key-performance-indicators into QlikView dashboards. Created daily processes to execute SQL queries on separate Sybase databases then flatten and join the data in the firm's proprietary language (SLang).

FINRA, Rockville, MD

Technology Intern **May 2016 – Aug 2016**

Implemented fuzzy string matching algorithms, such as Jaro-Winkler, into data ingestion systems to better align data. Developed a web-service to normalize addresses relating to financial representatives and firms using the fuzzy string retrieval systems, public geocoding APIs and a Flask back-end.

INDEPENDENT PROJECTS

lockbook, New York, NY

Secure, Version-Controlled Journalling **June 2019 – present**

An open-source, cross-platform, markdown-friendly journalling application. Employed AES-256 encryption to secure users data before committing to the repository of their choosing.

neurotic, New York, NY

Life Data Analytics **Jan 2018 – present**

Platform for collecting, manipulating and deriving useful analytics from how one spends their time. This project was started from my interest in collating and analyzing how my time is spent.

redcloud, Rochester, NY

Trading Engine for Cryptocurrencies **Feb 2017 – May 2018**

Implemented strategies into a Java based engine, which analyzed WebSocket and REST interfaces, to execute trading strategies between different cryptocurrency exchanges. Maintained network statistics to reduce risk related to exchange stability. The exploration was net positive exploiting arbitrage opportunities.

TOOLS

Languages: Java, Python, Swift, C++, CUDA
Technologies: Spring, JPA, UNIX, QuickFIX/J, SQL, MongoDB