Raayan Pillai

CONTACT INFORMATION

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PROFESSIONAL EXPERIENCE

Goldman Sachs, New York, NY

Technology Analyst   **Jul 2018 – present**

Engineer for the Investment Banking Division. Notable projects include:
- Architected and deployed a micro-service that enabled Debt and Equity capital markets teams to share a common module for the first time. (Java, Spring, Hibernate)
- Worked with a consortium of banks to create an infrastructure for communicating 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 live dashboard. Achieved by integrating lending (mortgage and loan) data and relevant key-performance-indicators into QlikView dashboards. Deployed processes to flatten and join from multiple data sources in the firm's proprietary language (SLang).

FINRA, Rockville, MD

Technology Intern   **May 2016 – Aug 2016**

Implemented fuzzy string matching algorithms (similar to Jaro-Winkler) into data ingestion systems to reduce clerical errors. Developed a web-service to normalize addresses pertaining to financial representatives and firms using the fuzzy string retrieval systems and public geocoding APIs.

INDEPENDENT PROJECTS

lockbook, New York, NY

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

A security-first, cross-platform, markdown-friendly journalling application. Lockbook employs industry-standard encryption (transparently implemented in our open-source codebase) to secure users data before committing to the git repository of their choosing.

lifelog, New York, NY

A Technocrat's Logbook   **Jan 2018 – present**

Many people find they have a hard time recollecting and reflecting on how they spend their time, myself included. I developed a platform for collecting and deriving useful analytics from one's hourly data.

redcloud, Rochester, NY

Inter-Exchange Arbitrage Engine   **Feb 2017 – May 2018**

Implemented an arbitrage trading bot which analyzed real time market data to find arbitrage opportunities between different cryptocurrency exchanges. Maintained network statistics and a local order-book to reduce risk related to exchange stability. The exploration led to a positive return during its activity.

EDUCATION

University of Rochester, Rochester, NY

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

TOOLS

Proficient: Java, Python, Swift, C++
Familiarity: (Scala), CUDA
Technologies: Spring, Hibernate, (JMS), FIX, UNIX, SQL, MongoDB