

Raayan Pillai

CONTACT INFORMATION	Phone: (201) 925-8646 Email: raayan@raayanpillai.com	Website: raayanpillai.com GitHub: github.com/raayanpillai
PROFESSIONAL EXPERIENCE	Goldman Sachs , New York, NY <i>Technology Analyst</i> Engineer for the Investment Banking Division. Notable projects include: <ul style="list-style-type: none">– Architected and deployed a micro-service that enabled debt and equity capital market 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.	Jul 2018 – present
	Goldman Sachs , New York, NY <i>Summer Technology Analyst</i> 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).	May 2017 – Aug 2017
	FINRA , Rockville, MD <i>Technology Intern</i> 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.	May 2016 – Aug 2016
INDEPENDENT PROJECTS	lockbook , New York, NY <i>Secure, Version-Controlled Journaling</i> A security-first, cross-platform, markdown-friendly journaling 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.	June 2019 – present
	lifelog , New York, NY <i>A Nitpicker's Logbook</i> 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.	Jan 2018 – present
	redcloud , Rochester, NY <i>Inter-Exchange Arbitrage Engine</i> 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.	Feb 2017 – May 2018
EDUCATION	University of Rochester , Rochester, NY <i>B.S., Computer Science</i>	Sep 2014 – May 2018
TOOLS	<i>Proficiency:</i> Java, Python, Swift, C++ <i>Familiarity:</i> (Scala), CUDA <i>Technologies:</i> Spring, Hibernate, (JMS), FIX, UNIX, SQL, MongoDB	