

# Eileen Jiang

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Block Inc –  
Backend Software Eng  
(2017 - Present)

Square Appointments:

- Implemented mechanism to de-duplicate Sidekiq jobs on all Ruby apps at Square, which makes job processing efficient at high load. Total of 450k+ jobs deduped per day.
- Led effort to upgrade all 150+ Ruby apps at Square to Sidekiq 7 due to EOL and security vulnerabilities.
- Implemented integration to send out a Contract to a client as part of appointment email/SMS notifications. Contracts can be customizable by appointment services or contract signed status. Total of 11.3M contracts sent over 3 years.
- Implemented reporting that allows Square Appointments sellers to view their client retention and pre-booking rates across any period of time.

Customers Directory:

- Powers customer identification across 20+ Square features, such as Invoices, Appointments, and Square Point of Sale
- Designed and implemented automatic identification and merge of duplicate customers in the seller Directory, leading to 45 million customers (3% of all Square customers) merged together
- Implemented a tracker on the MySQL binlog to store an audit history and source of every write to DB tables

**Technologies:** Ruby on Rails | Sidekiq | Golang | Java | Kotlin

Facebook –  
Software Eng Intern  
(Summer 2016)

- MPK Facebook on Real Time Infrastructure
- Improved push notification performance for Messenger and FB
- **Technologies:** Java | Hack

Cloud Raxak –  
Software Eng Intern  
(Summer 2015)

- Developed a management console that flagged keys and VMs in Redis which didn't adhere to a specific model
- **Technologies:** Python | AWS | Redis

Carnegie Mellon University -  
Bachelor of Computer Science (Minor in Human-Computer Interaction)  
(2013 - 2017)