

## Education

### University of California – Berkeley

2010 – 2014

- BS in Electrical Engineering and Computer Science with an emphasis on Computer Science.
  - Minor in Mathematics.
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## Experience

### Facebook

#### Software Engineer, Custom Measurement, FullStack

Jan 2018 - Present

- Built custom Query Renderer for rendering a SQL AST into Presto SQL to give partners flexible yet strict querying capabilities.
- Managed special business relationship with Amazon, while also balancing the feature requests from internal FB PMs to implement new features.
- Refactored / Reindexed numerous pipelines to support Clear History (Facebook's move to give users the capability to delete their own data) which meant coordinating with numerous XFN teams.
- Built Whitelisting Rules API for a custom Query Engine forked from Apache Spark to limit queries.
- Worked on Lambda functions/Boto3 cli commands for automated cluster management from secure environments.
- Created a UI for internal measurement requests

### Gearlaunch

#### Software Engineer, FullStack

May 2016 – Jan 2018

- Implemented Mugs product feature – 2<sup>nd</sup> most popular product on Gearlaunch selling on average 3000 units per day -- both Front End presentation layer (AngularJS 1.5) all the way to the integration with backend fulfillment partner in 1 month.
- Revamped the entire payout structure to give marketers a way to select direct Wire transfer vs. Payoneer Payouts.
- Implemented refunds functionality so that we could actually refund orders automatically (rather than a form that we had to refund manually).
- Created Instant Shipping feature which short circuited batching-printing process, allowing advertisers to offer an “expedited” shipping tier for fulfillment.
- Built product catalogs functionality + marketplace so that advertisers can have more sophisticated views for presenting their products.
- Built Catalog upload functionality to Facebook Dynamic Ads API which helped market towards influencers trying to build their brand

### Xoom a PayPal service, San Francisco, CA

#### Software Engineer, Integrations

May 2014 – May 2016

- Implemented REST API for event mapping, freeing up on average 6 stories per sprint from developers and reduced average TTF by 6 days.
- Built a distributed microservice for ETA allowing for dynamic configuration of ETA schedules as well as being able to generate ETA on the fly.
- Wrote SOAP/REST/File based clients for 9 different partners and 8 new countries, including Pakistan (6<sup>th</sup> highest traffic country).
- Designed a rest interface for a distributed worker that would allow users to invoke partner APIs without having to go through a standard send-money flow

### Instinet INC., San Francisco CA

#### Software Intern, Internal tools

Summer 2013

- Produced feature so users can upload their own files rather than making requests to developers
- Added basic authentication with salted and hashed passwords to internal website.

### Siemens Ultrasound, Mountain View CA

#### Software Intern

Summer 2012

- Wrote test suite in Python to test Ultrasound Machines.
  - Refactored existing C++ tests to Python tests so that there was a single testing interface.
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## Skills

- **Web Frameworks:** Spring MVC, Ruby on Rails, Express + NodeJS, Django
- **Programming Languages:** Java (and Scala, Kotlin), Ruby, Python, SQL, JS (with Typescript/Flow, Babel, ES6, both Angular + React), C/C++ (both c++98 and c++11 with Boost)
- **Other:** Docker, Kubernetes, Google Cloud (AppEngine, ComputeEngine, GCR, Functions, Datastore, DataProc, BigTable, Firebase Messaging), AWS (Lambda, EMR, EC2, S3), Cloudflare, Hive, MySQL, Apache Spark, Apache Kafka