

Mark Bryk

EDUCATION

The Cooper Union for the Advancement of Science and Art Electrical and Computer Engineering

CLASS OF 2015

4-Year Full Tuition Scholarship. GPA: Total – 3.86, Major – 4.0

EXPERIENCE

Self-Employed — Full-Stack Web Developer / Project Manager / CTO

DECEMBER 2015 - PRESENT

- CTO of [Prax](#), an experiential education platform that brings bite-sized prompts and practice rooms into a digital space. Built with React and Flutter, with a GraphQL API built on Prisma and Apollo.
- CTO of [SendThanksNow](#), a social platform to send tips and thank you messages to frontline workers and anyone else, which they can forward on and spread the gratitude. Built with React and Flutter, using Hasura on GCP Kubernetes
- Full-stack development of multiple web and mobile apps for [Poshly](#), comprising a data-driven personalized beauty marketplace and survey platform, a [data-visualization SaaS platform](#) for major fashion brands, and an administration console.
Web: Angular and D3.js on the front. Scala, Spark, MongoDB, GCP Cloud SQL on the back
Mobile: React Native
- [Website](#) and [mobile apps](#) for the NYC Makeup Museum, incorporating Augmented Reality and photo/video editing features to create a virtual museum experience. Website built with Vue.js. Mobile app built with React Native and Viro AR.
- CTO of [SeeThru Healthcare](#), a start-up marketplace for patients to search, compare, and schedule nearby healthcare, with transparent prices for individual services. Built with React, Material UI, Express, MongoDB.
- Lead engineer of [OpenTent](#), building relationship management tools for non-profits and communities, including:
 - › dynamically generated [community graphs](#) from information stored on Salesforce, with filtering/interaction, to run both within Salesforce and as a standalone website. Built with Angular 4, D3.js, Firebase, and the Salesforce API.
 - › a Chrome Extension Sidebar for scraping Facebook friend data for the community graph
 - › Salesforce Apex data processing triggers, Lightning widgets, etc. for various NY-based nonprofits
- Customized CMS + development/design for [Hunter Hillel](#), [Hillel Office of Innovation](#), and other related sites, in Drupal and Wordpress

Amazon.com — Software Development Engineer

JUNE 2014 - SEPTEMBER 2014 (Internship)

Designed and coded various components in the Amazon Appstore:

- Internal Amazon services, built in Java
- Internal website for management of that service by companies with stakes in the Appstore, built with Ruby on Rails

Clevertech Development Team — Developer, Project Manager

MARCH 2012 - JANUARY 2014

- Product/Tech Manager for [BigPicture Legal Advisor](#)
- Developed and trained employees in-house for new website for [IDT diamond suppliers](#)
- Developed and maintained [Pinbooster](#) (now: loop88) social networking website
- Designed new interactive website and personalization framework for [Silver Lining Ltd.](#), giving help to small businesses, built with Backbone.js
- Developed front end platform and API for [AlephBeta Learning Society](#), built with PHP/Yii

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FRAMEWORKS, LIBRARIES, & ENVIRONMENTS

React.js/Redux
React Native
Angular 1-8
D3.js
Node.js/Express
MongoDB/Mongoose
GraphQL
Prisma
Hasura
jQuery
Vue.js
Bootstrap/Material UI
Apache Spark/Hadoop
Akka/Spray
Firebase/GCP/AWS/Azure
Kubernetes
Docker
Redis
Cassandra
Salesforce.com/Apex
Drupal/Wordpress
Ruby on Rails
Yii
ns-3 Simulator
Adobe Photoshop
Adobe After Effects

LANGUAGES

Javascript/Typescript
HTML/HTML5
CSS3/SASS/LESS
+ CSS Grid/Flexbox
Python
Java
Scala
Shell/Git
Ruby
PHP
SQL
C/C++
Assembly
PALASM
Arduino

Private Tutor — *Grade Expectations*

DECEMBER 2012 - SEPTEMBER 2014

Tutored ages 10–21 in Math, Chemistry, Physics, Statistics, and English

PROJECTS

ArtonPost.com - Collaborative Writing Website — *2016*

“SLAP” Automatic Meeting Transcription — *2014–2015*

Cloud Computing - Hadoop Big Data Classifier — *Spring 2014*

Combined Ad Hoc/Macrocell Wireless Network Model — *Spring 2014*

A.I. Checkers — *Fall 2013*

PIC Custom Processor — *Spring 2013*

Augmented Reality Charity App — *Spring 2012*