

# Mark Bryk

## EXPERIENCE

### Self-Employed — Freelance Full-Stack Web Developer / Project Manager

DECEMBER 2015 - PRESENT

-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:** AngularJS and D3.js on the front. Akka, Spark, MongoDB, GCP Cloud SQL on the back, coded in Scala

**Mobile:** React Native

-Lead Engineer for [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.

-Website and mobile app for the upcoming [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

-Dynamically generated [Community Graphs](#) from information stored on Salesforce + filtering/interaction. Runs both within Salesforce and as a standalone website, using the Salesforce API and Firebase. Built in Angular 4 and D3.js for [OpenTent](#) + A Chrome Extension Sidebar for scraping Facebook friend data for the community graph. Built with React/Redux for [OpenTent](#)

-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

-Manager for [BigPicture Legal Advisor](#)'s website, interacting with clients/developers

-Developed, then trained employees for, new website for [IDT diamond suppliers](#)

-Developed and maintained [Pinbooster](#) (now: loop88) social networking website, front end and back end, using PHP/Yii framework

-Designed new interactive website and personalization framework for [Silver Lining Ltd.](#), giving help to small businesses, using Backbone.js

-Developed front end platform and API for [AlephBeta Learning Society](#), using PHP/Yii framework

### Private Tutor — Grade Expectations

DECEMBER 2012 - SEPTEMBER 2014

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

## 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

## 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

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## FRAMEWORKS, LIBRARIES, & ENVIRONMENTS

React.js/Redux

React Native

Angular 1-8

D3.js

Node.js/Express

MongoDB/Mongoose

jQuery

Vue.js

Bootstrap/Material UI

Apache Spark/Hadoop

Akka/Spray

Firebase/GCP/AWS/Azure

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

Hebrew

French (moderate)