

# Yonatan Laurence

Philadelphia, PA

## Full Stack Software Developer

**B.S. in Mechanical Engineering**, Boston University 2014, Cum Laude 3.6 GPA

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## Experience

### Technical Manager / Full Stack Developer

Framingham, MA (remote)

The Learning Center for the Deaf

Jul 2016 - Present

#### Tech Team Manager

- manage 3-5 person remote student teams, as well as project budgets and scheduling
- oversee system architectures, manage **AWS** cloud resources and security
- conduct code review, perform QA testing, deploy production applications

#### ASLAI (American Sign Language Assessment Instrument) Project 🔗

- set up and manage student assessments, scoring, and reports for state school districts
- design scoring reports and analyze language learning trends
- migrated broken legacy FileMakerPro datastore over to **PostgreSQL** resolving data integrity issues
- built **reporting and analytics** center using **Ruby on Rails** complete with **unit and integration tests**

#### ASL Clear (American Sign Language Concept Learning Resource) Project 🔗

- design sign-language-first UIs for the Deaf user experience in **React** and **AngularJS**
- facilitate video content updates, linguistic encoding, and manage video storage needs
- rebuilt **API** engine and back-end application from **Python** Flask to **Ruby on Rails** complete with unit and integration tests while porting over production servers from **MySQL** to **PostgreSQL**

**React** | **Redux** | **AngularJS** | **jQuery** | **nginx** | **Ruby on Rails** | **Minitest** | **Rspec** | **Python** | **MySQL** | **PostgreSQL**

### Software Engineer

Newton, MA

Paytronix Systems, Inc.

Sep 2014 - Jun 2016

- full stack developer for **Java** real-time transaction engine supported by **Microsoft SQL Server**
- redesigned custom account filtering interface using **Scala's** Lift web framework
- rewired custom WYSIWYG email tool using **Javascript**, **postMessage**, **jQuery**, **Scala**, and **Lift**
- built custom **Scala** ETL for transforming SQL, non-SQL, text, and binary data sources into **Hadoop** cluster
- oversaw Pentaho Business Intelligence analytics integration into legacy **Java** multi-tenancy ecosystem

**Javascript** | **jQuery** | **Lift** | **Tomcat** | **JBoss** | **Scala** | **Java** | **Python** | **MS SQL** | **MongoDB**

### Front-end Developer

Boston, MA

Center for the Study of Communication and the Deaf

Apr 2013 - Sep 2014

- developed front-end web applications for users of American Sign Language (ASL)
- wrote an ASL-centric linguistic search algorithm
- designed customized non-text based UI in **HTML5**, **CSS3**, **Javascript** and **AngularJS**

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Native speaker of **English** and **Hebrew** and conversant in **American Sign Language**, **German**, and **Mandarin Chinese**