Yonatan D. Laurence
PRINCIPAL SOFTWARE ENGINEER

Tel Aviv, IL

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LANGUAGES

Language	Level
Ruby	9
Javascript	9
Python	7
SQL	8

Native Fluency: **English**

Working Proficiency: **Hebrew**

Conversant: **Mandarin Chinese, German, and American Sign Language (ASL)**

EDUCATION

BOSTON UNIVERSITY, USA, 2010-2014
B.S. Mechanical Engineering
Cum Laude, 3.65 GPA

TEL AVIV UNIVERSITY, Israel, Spring 2012
Semester Abroad, Mechanical Engineering

NSLI-Y AFS, China, 2009-2010
Chinese Language Immersion

EXPERIENCE

JUL 2023 - PRESENT

ASL Education Center · Framingham, MA, USA (remote)

SOFTWARE ENGINEER CONSULTANT
- ASL Survey: co-created an online survey tool designed around American Sign Language, including custom video navigation elements in **React**, **Next.js**, and **Python Django**
- ASLA (ASL Assessment): developed portal for assessment proctors and school administrators to manage student data and our online ASL assessment in **React**, **Ruby on Rails,** and **Auth0**

SEP 2022 - MAR 2023

Perry Street Software · New York, NY, USA (remote)

SENIOR SERVER ENGINEER
- consolidated varying caching strategies using the Singleton pattern and reduced code complexity by removing a dozen unnecessary caching implementations in **Ruby**
- updated **ETL** pipeline to support portrait images in profile photos including backwards compatibility for both iOS and Android clients
- added unit testing to **REST API** as well as documentation using **Swagger** to support client team

DEC 2020 - JUL 2022

Rentgrata · Chicago, IL, USA (remote)

LEAD SOFTWARE ENGINEER
- started as a full-stack Senior Software Engineer in **React**, **Rails**, **PostgreSQL**, Heroku stack
- worked up to lead engineer and managed six other front-end and back-end developers with co-lead
- regularly conducted code review, authored user stories with product team, and led design review
- managed QA lead and oversaw testing, automation, deployment, and release

OCT 2018 - SEP 2020

Tweddle Group · Detroit, MI, USA (remote)

SENIOR SOFTWARE ENGINEER
- supported Tracer application. Tracer is a real-time on-line vehicle manufacturing tool that maps error codes of electric failures to source components during production
- wrote custom orchestration and deployment tool to manage custom data packaging as well as OEM-specific release requirements in **Bash** and **Python**
- deployed all **AWS** as well as local envs using **Docker**, **Terraform**, and **Ansible**
- built IBM integration using message queues (**RabbitMQ**) and **Scala**

The Learning Center for the Deaf · Framingham, MA, USA

TECHNICAL MANAGER / FULL-STACK DEVELOPER

- led rotating teams of 1-5 student full-stack developers for research enterprise focused on American Sign Language (ASL) STEM education and language assessment
- developed visual search engine in **AngularJS** and a Ruby on Rails **REST API** modeled around ASL specifically designed for younger students who cannot use English and text input
- reduced report delivery time of state run assessments from weeks to minutes by converting legacy FMP data store to **PostgreSQL** / **Ruby on Rails**

Paytronix Systems, Inc. · Newton, MA, USA

SOFTWARE ENGINEER

- full-stack **Java** and **Scala** developer for real-time transaction engine, processing millions of restaurant loyalty transactions a month
- formerly "big data" engineer, developing Business Intelligence tools, data cubes, and ETLs for **HDFS**
- built point-of-sale **ETL** in Scala, combining restaurant loyalty transactions with check-level data in **Hadoop**
- rewired self-service WYSIWYG email tool written in **Javascript** and **Lift** to prevent CSS clashes, a tool which is used by hundreds of marketers a day