



Tel Aviv, IL

Yonatan Laurence

SENIOR SOFTWARE ENGINEER

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TECHNICAL SKILLS

Numbers of years using:

Python 3 years

React 7 years

Ruby 6 years

Node / Javascript 8 years

SQL 8 years

SUMMARY

An intellectually curious and versatile engineer with eleven years of experience building scalable fullstack web applications in Python, Ruby, Node, and Scala.

EDUCATION

BOSTON UNIVERSITY, USA, 2010-2014

B.S. Mechanical Engineering

Cum Laude, 3.65 GPA

NSLI-Y AFS, China, 2009-2010

Chinese Language Immersion

HSK Level 4

EXPERIENCE

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

JUL 2023 - FEB 2025

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**, **Typescript**, 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**
- all projects involved **AWS ECS**, **Terraform**, and **Docker**

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

SEP 2022 - MAR 2023

SENIOR SERVER ENGINEER

- consolidated varying **caching** strategies using the Singleton pattern and reduced code complexity by removing a dozen unnecessary caching implementations in **Ruby** and **TDD**
- updated **ETL** pipeline to support portrait images in profile photos including backwards compatibility for both **iOS** and **Android** clients using **TDD**
- added custom **unit testing** macros for **REST APIs** including documentation and **Swagger** support
- resolved **geolocation** errors for country-specific **messaging platform** affecting over 20 countries

• Rentgrata · Chicago, IL, USA (remote)

DEC 2020 - JUL 2022

LEAD SOFTWARE ENGINEER

- started as a full-stack Senior Software Engineer in projects involving **React**, **Ruby on Rails**, and **PostgreSQL**
- 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
- implemented integration platform for property management systems in **React**, **Typescript**, and **Next.js**

• Tweddle Group · Detroit, MI, USA (remote)

OCT 2018 - SEP 2020

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; written in **React** and **Python**
- 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 **pub-sub message queues (RabbitMQ)** and **Scala**

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**

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