Yonatan Laurence
PRINCIPAL SOFTWARE ENGINEER

Tel Aviv, IL

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TECHNICAL SKILLS

Numbers of years using:

Skill	Years
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**, **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**

- The Learning Center for the Deaf · Framingham, MA, USA (remote)   JUL 2016 - OCT 2018

  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 specifi-
   cally 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   SEP 2014 - JUN 2016

  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