

# Yonatan Laurence senior software engineer

mww.yonatanlaurence.com

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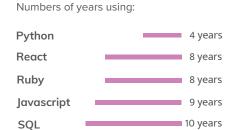
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## **TECHNICAL SKILLS**



# **SUMMARY**

An intellectually curious and versatile engineer with eleven years of experience building scalable fullstack web applications in Python, Ruby, Typescript, React, 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)

IUL 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 AuthO
- 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, and Amazon Rekognition AI tool
- 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

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