Yonatan D. Laurence
PRINCIPAL SOFTWARE ENGINEER

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LANGUAGES

Language	Rating
Ruby	9
Javascript	9
Python	8
Scala / Java	7
SQL	8

Native Fluency: English

Working Proficiency: Hebrew, Mandarin Chinese, German, and American Sign Language

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, Gap Year

EXPERIENCE

DEC 2020 - JUL 2022
Rentgrata · Chicago, IL
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
- manged QA lead and oversaw testing, automation, deployment, and release

OCT 2018 - SEP 2020
Tweddle Group · Detroit, MI
SENIOR SOFTWARE ENGINEER
- primary engineer for Tracer development team. Tracer is a real-time vehicle manufacturing tool that maps Diagnostic Trouble Codes of electric failures to source components during on-line 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**
- converted highly nested graph traversal logic in Python to single **Cypher** query in **neo4j** reducing vehicle electric architecture mapping by 100x

JUL 2016 - OCT 2018
The Learning Center for the Deaf · Framingham, MA
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**

SEP 2014 - JUN 2016
Paytronix Systems, Inc. · Newton, MA
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