

JONATHAN SLAWITSKY

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EDUCATION

Web Development Certificate | App Academy New York, NY | Oct 2016 – Jan 2017

Bachelor of Engineering | Mechanical Engineering | McGill University Montreal, Canada | Sept 2010 – May 2014

High School Diploma | West Windsor Plainsboro High School North Plainsboro, NJ | Sept 2006 – Jun 2010

EXPERIENCE

Software Engineer | Seek Remote | Jan 2022 – Oct 2022

- Built API to surface curated recommendations to 5000+ mobile users and an admin panel to manage curator recommendations. Leveraged Heroku, Docker, Django, Firebase, and New Relic.
- Built recommendation search service leveraging Elasticsearch ultimately reducing query times from seconds to milliseconds and improving result relevancy via configurable index field weighting.

Software Engineer II | Amazon New York, NY | Jul 2020 – Oct 2021

- Built ETL pipeline that processed terabytes of data in order to generate weekly reports of brand KPIs for the top ~20 advertisers on Amazon. Integrated this pipeline with the existing UI for delivery. Technologies used: Redshift, Pandas, S3, Athena, Lambda, DynamoDB and CloudFormation.

Software Engineer | Even Financial New York, NY | Jul 2019 – Apr 2020

- Built replication API endpoints in Scala consumed by FiveTran for data extraction in near real time to support accurate business intelligence reports delivered on an hourly basis.
- Maintained custom data warehouse yaml specs to document tables and views in redshift and wrote scripts in TypeScript to validate those specs against the data warehouse.
- Expanded financial microservice APIs in Scala.

Software Engineer II | Clover Health Jersey City, NJ | Nov 2018 – Jun 2019

- Automated claim to prior authorization matching using Airflow resulting in temporary staff reduction and thousands of dollars in operational expenditure savings per month.
- Built prototype Django API to manage member states throughout various patient outreach programs.

Software Engineer | Truveris New York, NY | Feb 2017 – Nov 2018

- Analyzed SQL query performance in Postgres using explain/analyze and optimized performance by adding appropriate indexes achieving improvements on runtime from minutes to seconds.
- Automated invoicing by capturing tier structures with variable business rules thereby saving hours of manual work every month. Written using Python, Pyramid, SQLAlchemy, Postgres.
- Developed and maintained pharmaceutical claims data processing pipeline with multiple data ingestion and transformation pathways. Written using: Python, S3, SQS, and Postgres.
- Developed and maintained prescription discount platform and CRM service with web, email, IVR, and text channels that serviced thousands of end users. Written using: Python, AWS, Twilio, SendGrid, and Postgres.

Technical Service Analyst | Epic Systems Verona, WI | *Mar 2015 – Apr 2016*

- Developed server utility to search for scheduled OR blocks resulting in improved analysis of OR usage statistics.
- Debugged code and build errors brought by analysts and clinicians from Stanford Healthcare and Providence Health and Services.
- Supported clinicians by answering documentation questions during software “go-lives” at Brigham and Women’s, Baptist Health, and Hospital for Special Surgery.

RESEARCH

Part Time Research Assistant | Georgetown Cognitive Recovery Lab Washington, D.C. | *Oct 2022 – current*

- Developed tens of behavioral tasks in javascript embedded in Qualtrics surveys for online completion by aphasic research participants reducing time spent in the lab for each participant by ~2 hours.

Part Time Research Assistant | Columbia Department of Civil Eng New York, NY | *Jun 2018 – Sept 2018*

- Converted fluid flow solver and plotting scripts from Matlab to Python (numpy). Updated scripts to load geometries into ParaView software for rendering; renderings used for academic research and presentations.

Undergraduate Researcher | McGill Department of Mech Eng Montreal, Canada | *May 2013 – Sept 2013*

- Produced 3 proof-of-concept models for manufacturing using SolidWorks, ran stress/strain simulations using ANSYS and created plots using MATLAB to analyze differences in physical properties across models.
- Researched, analyzed and produced metrics for submission of final comprehensive report to Engineering Department; presented findings to University’s Engineering Department and faculty members.

SKILLS

Programming Languages Python | Java | Scala | SQL | Javascript | Typescript

Web Technologies AWS | Git | Airflow | PostgreSQL | React | Elasticsearch | Docker

VOLUNTEERING

Volunteer | Thrive DC Washington, DC | *Jun 2022 – current*

- Prepared and served hot meals to roughly 50 homeless or vulnerable individuals.

Patient Liaison (208 hours) | Hospital for Special Surgery New York, NY | *Jun 2009 – Aug 2009*

- Served as liaison and information resource for perioperative team and patient family members.

LANGUAGES

Italian | Fluent

Spanish | Intermediate