Avi Glozman

Backend Software Engineer

425.802.6718 – avi@avigloz.net – NYC
avigloz.net – github.com/avigloz

Skills

Programming Languages: Haskell, Python, JavaScript (Node.js, Typescript)
Concepts: REST APIs, RPC, Serverless, Distributed Systems, System Design/Architecture
Software: SQL (PostgreSQL), NoSQL (MongoDB, DynamoDB), Object storage (S3), Git, Linux, AWS, LaTeX
Spoken Languages: English (Native), Russian (Native), Spanish (Rusty Intermediate), Hebrew (Elementary)

Professional Experience

Mercury, New York, NY

Software Engineer, Cards, Backend *Jun. 2022 → Now*

- Writing elegant, test-driven Haskell code to support Mercury's IO card on the backend
- Building APIs and automation in administrative dashboards for managing customer credit lines
- Developing efficient and seamless collection tools for mitigating credit risk

Hooked, Remote from New York, NY

Software Engineer and Architect, Stream, Backend *Apr. 2021 → Jun. 2022*

- Lead design and development of SmartMenu, a first-of-its-kind system that allows for same-day restaurant onboarding
- Integrated Stripe payments to enable users to subscribe to Stream, and built related API and backend framework
- Deployed data streaming architecture on AWS for analytics and big data with S3, Elasticsearch, and Kinesis
- Wrote test-driven, fast and elegant Node.js code in an Agile manner and reported directly to the CTO

Uber, Pittsburgh, PA

Software Engineering Intern, Advanced Technologies Group (ATG), Simulation *May 2019 → Aug. 2019 (freshman summer)*

- Created an ETL system using Python for moving self-driving car related data from DynamoDB to PostgreSQL, and solved complex data-syncing challenges
- Developed pruning algorithms in Python for preventing transfer of broken, invalid, and/or redundant data relating to self-driving car testing
- Contributed significantly to a web API written in Go for self-driving car data analysis in production

Aspace, Seattle, WA

Lead Software Engineer, Backend *May 2017 → Oct. 2017 (11^{th} – 12^{th} grade)*

- Designed MySQL and MongoDB databases for storing parking spot sensor data and user data, respectively
- Designed a RESTful API written in Node.js to support UX on Android and iOS apps, and for recieving sensor data
- Wrote an implementation of Dijkstra's algorithm using Node.js for navigation, relying on user location data and data from Mapbox's API
- Used Twilio's SMS API to integrate two-factor authentication into the backend

Education

University of Pittsburgh, Pittsburgh, PA
B.Sc. in Computer Science, **3.4 in-major, 3.2 overall** *Aug. 2018 → Dec. 2020*
Dean's List: *Spring 2020, Fall 2020*

Interests

Private Online CS Tutor *Oct. 2017 → Now*
Wikipedia Contributor (under username *Avigl*) — over 1.2M all-time aggregate views *June 2016 → Now*
Functional programming, neuroscience/biology, finance, music, metaphysics/ontology, writing poetry, history, videogames

Currently omitted or in-progress sections:
Personal projects, Publications, Coursework, certain Skills (ones I haven't used in a while)
For my personal projects, check out my GitHub!