Avi Glozman

Backend Software Engineer

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Skills

Programming Languages: Haskell, Python, JavaScript (Node.js, Typescript), React, HTML/CSS

Concepts: REST APIs, Distributed Systems, System Design/Architecture, Optimization

Software: SQL (PostgreSQL, MySQL), NoSQL (MongoDB, DynamoDB), Object storage (S3), AI/LLMs, Git, Linux, AWS, LATEX

Spoken Languages: English (Native), Russian (Native), Spanish (Rusty Native), Mandarin (Basic), Hebrew (Basic)

Experience

Mercury, remote from Pasadena, CA

Backend Software Engineer II, Cards Backend Software Engineer, Cards

Aug. 2023 ightarrow Now

Jun. 2022 → Aug. 2023

Fun fact: I learned Haskell on the job from scratch!

- Writing robust, test-driven Haskell to support Mercury's IO card and credit underwriting systems to enable \$XX-XXXM in credit spend across 1000s of customers
- Saved 60+ hours of manual work per month by automating tedious underwriting processes
- Developing efficient and seamless collection tools and automation for mitigating credit risk and enabling new credit products, responsible for reduction of risk exposure by \$XXM
- Owning technical specification/design and implementation of new features and automations end to end, with a high degree of independence

Stream, remote from New York, NY

Backend Software Engineer and Architect, SmartMenu

Apr. 2021 → Jun. 2022

- Led 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

Uber, Pittsburgh, PA

Software Engineering Intern, Advanced Technologies Group (ATG), Simulation

 $May\ 2019
ightarrow Aug.\ 2019\ (freshman\ summer)$

- Created an ETL pipeline for complex, large datasets of self-driving training data from DynamoDB to PostgreSQL, requiring robust data-syncing solutions
- 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 \rightarrow Oct. 2017 (11th - 12th grade)

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

Projects

vnsh.io - disappearing digital dead-drops for bite-sized secrets, encrypted at rest

2025

Education

University of Pittsburgh, Pittsburgh, PA

B.Sc. in Computer Science

Aug. $2018 \rightarrow Dec. 2020$

Dean's List: Spring 2020, Fall 2020

Interests

Wikipedia Contributor (under username Avigl) — over 1.5M all-time aggregate views

June 2016 ightarrow Now

Neuroscience/biology, ceramics, finance, music, functional programming, metaphysics/ontology, writing poetry, history, videogames