Avi Glozman

Backend Software Engineer

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Skills

Programming Languages: JavaScript (Node.js, Typescript + React), Haskell, Python, 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. $2023 \rightarrow Now$ Jun. $2022 \rightarrow Aug. 2023$

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 → 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 o Dec. 2020

Dean's List: Spring 2020, Fall 2020

Interests

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

June 2016 \rightarrow Now

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