

Avi Glozman

Backend Engineer and Architect

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Skills

Programming languages: Node.js (ES6), TypeScript, Python, C#, Java

Concepts: REST APIs, Serverless, Distributed Systems, Data Streaming

Software: NoSQL, Object storage (S3), Elasticsearch, SQL, Git, Linux, AWS, Azure, \LaTeX

Spoken languages: English (Native), Russian (Native), Spanish (Elementary), Hebrew (Elementary)

Professional Experience

Hooked, Remote, USA

Software Engineer and Architect, Backend

Apr. 2021 → Now

- Developing and deploying data streaming architecture on AWS for analytics and big data storage
- Integrating payment services to facilitate subscriptions into the API and backend framework using Node.js
- Writing test-driven, efficient and elegant code in an Agile manner

University of Pittsburgh, SCI, Pittsburgh, PA

Undergraduate Researcher, Learning Technologies Lab

Nov. 2019 → Dec. 2020

- Used Python and BeautifulSoup to efficiently scrape hundreds of faculty profiles to gain various insights, such as specific research interests, publication data, lab affiliations, etc.
- Compiled scraped data into easy-to-process datasets for use in a university-wide undergraduate research opportunity discovery platform

Uber, Pittsburgh, PA

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

May 2019 → Aug. 2019

- 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 (11th - 12th 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 receiving 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

Please note that the present lack of software engineering internships is solely a consequence of my quick completion of my degree.

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 770k all-time article views

June 2016 → Now

Electrical engineering, CAD and 3D printing, music, philosophy, writing, strategy and immersive RPGs (videogames)

Currently omitted or in-progress sections: *Personal projects, Publications, Coursework*