Isaac Na

+1 404-643-6826
isaac219@gmail.com
github.com/isaacna
linkedin.com/in/isaac-na-820b96115
890 Bergen St, Apt 2L, Brooklyn, NY 11238

EDUCATION

Washington University in St. Louis
Bachelor of Science in Computer Science   *August 2015 - May 2019*

EXPERIENCE

Brex   New York, NY
Software Engineer   *June 2022 - January 2024*
- Engineer for Spending Reviews team, which improves customer financial compliance via accelerated review workflows
- Lead AI Commenting, which leverages LLM's to provide users better insight on out-of-policy expenses. Piloted by major customers such as DoorDash and SeatGeek, and reduced their time-to-review by over 15%
- Designed and developed a system for asynchronously auto-generating expense memos to reduce manual effort for spenders
- Prototyped gRPC rate limiting and circuitbreaking Kotlin libraries to be used across Brex's Spend Org
- Developed notification systems with Kafka-powered event-driven workflows, handling high volumes of traffic
- Lead org-wide knowledge shares by organizing presentations covering various engineering topics

Amazon   Seattle, WA
Software Development Engineer II   *April 2021 - April 2022*
Software Development Engineer I   *July 2019 - March 2021*
- Worked on the Mass Item Creation and Edit team that owns systems for listing retail items in bulk through Vendor Central
- Designed and implemented a gating system that prevents unauthorized vendors from listing luxury beauty retail brands, and ensures that the brands are correctly financially categorized. Launched worldwide for all Vendor Central users
- Designed and implemented a transition of retail submission backend systems to a new metadata schema that allows vendors to upload items in variations (size, color, etc.). Launched worldwide for all Vendor Central users
- Wrote an emergency backfill script to identify impact of item cost bug to save vendors over $30MM

Software Development Engineer Intern   *May 2018 - August 2018*
- Revamped Vendor Central's polling system that UX researchers utilize to gather feedback data from vendors
- Developed a new backend process using Java to handle automated question deactivation, multiple question support, and Amazon SNS integration while maintaining scalability and clean object-oriented design. Launched the project worldwide.

Council Data Project   Seattle, WA
Open Source Developer   *November 2019 - March 2023*
- Contribute to Council Data Project, a JOSS-published, open-source civic tech project that makes city council transcripts, legislation, and voting records searchable through a single website (councildataproject.org) (GitHub)
- Wrote ETL pipelines with Prefect, transcription models leveraging Google Speech-to-Text, and database and filestore processing tools in Python to interact with Google Cloud Platform
- Maintained scalable, low-cost infrastructure-as-code architecture leveraging GCP and Pulumi
- Presented CDP's design at PyCascades 2022, a Python-focused tech conference in the Pacific Northwest (Link)

AT&T   Atlanta, GA
Software Development Intern   *June 2017 - August 2017*
- Replaced and automated a manually-run metric logging system with a Java project that pulls data using Elasticsearch to format a report in Outlook mail, reducing the time spent from 30 minutes to 20 seconds

Washington University School of Engineering   St. Louis, MO
Database Management Systems Tutor (Graduate level)   *February 2019 - May 2019*
Data Structures and Algorithms Teaching Assistant   *January 2017 - May 2019*

SKILLS

- **Proficient** - Java, Python, Kotlin
- **Familiar with** - C++, C, SQL, PHP, JavaScript, JSP, React, HTML, CSS
- **Technologies** - Git, gRPC, Flask, Linux, Kafka, GCP: Firestore, AWS: S3, Cloudfront

PROJECTS

- **Stress Less (ArchHacks 2017)**: Chrome Extension that helps manage anxiety and gather statistics on the user's mental health, by utilizing JavaScript and the Chrome Storage API to hold data about extension usage
- **Venn**: Android app utilizing MySQL, PHP, EC2 for generalized Tinder-style matching within user-created communities