

HASEEB AHMED

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SUMMARY

Software Engineer pursuing a Master's in Computer Science, experienced in designing and developing internal tools for B2C and SaaS companies in the retail sector. Actively conducting research in building distributed systems at the intersection of databases and privacy.

EXPERIENCE

Software Engineering

Sugarwish

April 2024 - Present

United States (Remote)

- Led the development of **30+** internal applications using Retool (JavaScript), decreasing time-to-market by **20%**.
- Liaised with 4 different departments, fulfill their tooling needs.
- Built multiple analytics dashboards to improve inventory management and planning.
- Led integration with various services – such as Shopify, FedEx, USPS – streamlining internal workflows.

Software Engineering Intern

Tajir (Y-Combinator)

June 2022 - August 2022

Pakistan

- Contributed to python-based backend stack, on DDD architecture.
- Setup end-to-end Zendesk integration for the CX (Customer Experience) department.
- Utilized Zendesk streaming API and Retool to provide custom reporting for CX department.
- Integrated Whatsapp with Kotlin-based customer-facing Android app.

PROJECTS

Oblivious Data Stores:

- Designed and developed an oblivious database engine to support relational data models on top of oblivious key-value stores. This project aims provide a relational-like interface for filter, range, join and aggregate queries. System is built in Go and C++.

Web Affordability:

- Project to better understand the affordability of web pages and videos in low-income countries. This includes data wastage (thus translating to financial cost) of unnecessary JavaScript, web images and video buffering. Paper Published in [SIGCOMM 2023](#).

TECHNICAL SKILLS

Languages: C, C++, Go, Kotlin, Python, Haskell, JavaScript, TypeScript and SQL.

Frameworks: React, Express, Node, Flask, Django, OpenTelemetry, gRPC and Thrift.

Tools: Git, Linux, Docker, Selenium, Bash Scripting, Retool, Google Cloud Platform and Amazon Web Services.

EDUCATION

University of Waterloo

Masters of Mathematics (MMath) - Computer Science

August/2025

GPA: 95/100

Relevant Coursework: Multi-core Programming, Security & Privacy in Communication

Lahore University of Management Sciences (LUMS)

Bachelor of Science - Computer Science

May/2023