**ATHER QURESHI**

**Full Stack Software Engineer**

[**GitHub**](https://github.com/atherqureshi) **|** [**LinkedIn**](https://www.linkedin.com/in/atherqureshi/) **|** [**Website**](https://atherqureshi.github.io/)

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**Summary**

I am a full stack software engineer primarily working on application development. I am no stranger to any work regarding the end-to-end delivery of software. I have a strong understanding of design patterns, and system-design/architecture. I work well within technical teams but can also communicate with stakeholders and PMs. I am not married to one technology, I do plenty of public speaking, I have worked on many different unrelated use-cases, and most importantly, I love what I do and I’m eager to learn new things.

**Skills**

**Programming** Python Java C# JavaScript Protobuf Avro Bash

**Full Stack** Linux Docker Kubernetes Kafka Helm Django Flask React CircleCI Jenkins

**Data** RDBMS HDFS NoSQL

**Experience**

**Software Engineer III**

Carta | Feb 2020 - Present | Waterloo, ON

* Promoted to SWE III from SWE II after 8 months, citied reason was due to initial mis-leveling and strong performance
* Primarily work on various microservices, helping convert our Django backend monolith into a gRPC microservice architecture
* Work all over the stack for domains such as CI (CircleCI), CD (Jenkins/Helm/K8s/Vault), and monitoring (Sentry/Datadog)
* Engineer on financial infrastructure team using a Django/React stack with a python gRPC/Thrift microservice.
* Lead Engineer on real-time stateless Kafka microservice using gRPC/Rest endpoints written in Python
* 2nd place in our companies Q3 2020 hackathon, worked in Django/Vue.js to implement a global churn feature and backfilled all previously churned customers into our platform – presented work to the entire company

**Machine Learning Engineer**

Bell | Oct 2018 – Feb 2020 (1 year, 5 months) | Toronto, ON

* Lead in implementation and architecture for real-time call routing machine learning applications that affects agent-customer routing in real-time and provides predictions to agents.
* Created RESTful as well as event driven (Kafka) end points for machine learning applications for data/request movement
* Designed and implemented full CI/CD pipelines to run virtualized integration tests with Redis/Kafka, and deploy to Kubernetes

**Data Engineer**

Bell | Sept 2017 – Oct 2018 (1 year, 2 months) | Toronto, ON

* Primary data engineering team that manages over 6 Petabytes of data with over 150+ attributes per customer
* Lead data engineer for campaign tool (SMS, Email, Inbound/outbound calls) – 80M Offers Per Year
* Lead in data engineering for Bell’s Connected Car Initiative with AT&T
* Created Tableau dashboards and SAS macros to assist production in moderating over 8000 ETL Jobs
* Created auto-table deletion system based on RDBMs control tables with dashboards/email notifications/reports.

**Projects**

**CRUD Website on Amazon LightSail**

* Created a [**catalog application**](https://github.com/atherqureshi/Project_CatalogApp) hosted on EC2
* Configured DNS A-name record to route traffic via public DNS to EC2 ip and port.
* NGINX Reverse Proxy, with python backend (uwsgi/flask) and a small sqlite db.
* Google OAuth2 (token-based authentication), bootstrap for front end, and SQL alchemy as ORM/DB Schema Management.

**Education**

**Western University | BSc Honours Specialization in Computer Science, Minor in Psychology**

September 2012 – August 2017 | London, ON

* 3.67 cGPA | 3.81 GPA in Major (Computer Science)
* Western Scholarship of Distinction and Dean’s List

**Certifications**

* [**Udacity Full Stack Web Developer Nano Degree**](https://printer.udacity.com/v2/certificate/2USR2AG5/download)|Frontend, Backend, CRUD, deployment, Linux
* [**Machine Learning by Stanford University on Coursera**](https://www.coursera.org/account/accomplishments/certificate/QYDV8SVTZUE2)|Bottom-up ML, statistics, theory, implementation
* [**Teradata: Introduction to Teradata / Advanced SQL Features**](https://courses.teradata.com/learning/cust_ed/_certificate/?FBSFDS5444%3A0Buifs%21Rvsftij0Nbsl%21Kbvtt0) |Performance Tuning, Recursion, OLAP

**Extracurricular**

* **President** of Western’s Pakistani Students Association | $2000 Annual Budget | 150 Members
* Speaker at **Toronto Machine Learning Series Micro Summit – Insurance and Teclo 2018**