

ATHER QURESHI

Full Stack Software Engineer

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Summary

I am a full stack software engineer with experience building services and tooling for both developers and clients. 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

Senior Software Engineer

Carta | Jan 2022 - Present | Waterloo, ON

- Full stack engineer on the Frontend Platform Team
- Team is responsible for creating the framework for building micro frontends across Carta and building tooling to speed developer productively and accelerate tech convergence to React/TypeScript
- Actively working on modularizing existing front ends out of our main code base
- Actively building tools to make our front end applications more maintainable, secure, scalable, and available.

Software Engineer

Carta | Feb 2020 – Jan 2022 (1 year, 11 months) | Waterloo, ON

- Promoted to E3 from E2 after 8 months
- Full stack engineer on the Finance-Automation team, working on services that support our subscriptions, payment, and contract services
- 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)
- 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.

Education

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

September 2012 – August 2017 | London, ON

- Western Scholarship of Distinction and Dean's List

Certifications

- [Udacity Full Stack Web Developer Nano Degree](#) | Frontend, Backend, CRUD, deployment, Linux
- [Machine Learning by Stanford University on Coursera](#) | Bottom-up ML, statistics, theory, implementation
- [Teradata: Introduction to Teradata / Advanced SQL Features](#) | 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 Telco 2018**