ATHER QURESHI
Full Stack Software Engineer
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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 anything!

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 on the job, cited 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](#)** 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](#)** | 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 Teclo 2018**