Mufeez Amjad

Software Engineering, University of Waterloo

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SKILLS

Languages: Python, C, C++, Java, JavaScript, Scala, SQL

Technologies: Flask, AWS, Airflow, Node.js, React, TypeScript, GraphQL, SQLAlchemy, Postgres, NoSQL

WORK EXPERIENCE

Infrastructure Engineer Intern - Cloud Infra | *Splunk*   May - Aug 2021 | Remote
- Will be working on Splunk's fleet management using Golang, Kubernetes, AWS

Infrastructure Engineer Intern - Integrations | *Tatari*   Sep - Dec 2020 | Remote
- Introduced event filtering to ETL pipeline with *Python chained iterators* yielding a **17% increase in attribution accuracy**
- Drove an upgrade of event attribution integrations using *AWS* (*API Gateway, Redshift, Kinesis, and Lambda*) and *Datadog*
- Implemented statistical event anomaly detection DAG using *Airflow* with **94% accuracy** against backtested anomalies

Backend Engineer Intern - Media Buying | *Tatari*   Jan - Apr 2020 | New York, NY
- Created end-to-end features for new booking platform **driving millions of dollars in weekly ad spend** with *Flask* & *React*
- Ideated and designed a dashboard by conducting user interviews and aligning key stakeholders across 3 teams
- Independently created a KPI dashboard **used by over 45% of the company** with *React, Apollo Client, Graphene,* and *Flask*
- Leveraged *SQLAlchemy* ORM events to extend support for audit versioning to include a paper trail with user attribution
- Optimized API endpoints using *GraphQL* and *graphene* connections resulting in a **93% decrease (7s) in page load times**

Software Engineer Intern – Ecommerce | *KitchenMate*   May - Aug 2019 | Toronto, ON
- Re-engineered the creation of printed labels using *AWS Lambda*, **processing data 78% faster and halving server boot up**
- Devised a graph search SQL algorithm to aggregate the cost of ingredients, driving a **37% decrease in food costs**
- Created a meal recommendation system factoring in dietary preferences and past orders, increasing daily orders by 8%

AWARDS

- Stellar Tip - Winner of Stellar Community Fund, **received $150,000+ USD** for development of open source project
- Auxilium - Top 10, Social Good, and Twilio API prizes out of 300+ teams @ PennApps XX
- Other hackathons - Best Use of Stellar API @ HackNYU, Best VR Hack @ Red Bull AdrenaLAN, Top 10 Hack @ HackThe6ix
- City of Pickering Civic Award - Awarded $1000 for outstanding community service and achievements

EDUCATION

University of Waterloo | **Candidate for Bachelor of Software Engineering (B.SE.)**   Sep 2018 – Present (Junior)
Double Minor: Combinatorics & Optimization and Computational Math

Relevant Coursework: Algorithms, Databases, Operating Systems, OOP, Compilers, Cryptography, Formal Verification, User Interfaces

Design devotee • Cryptocurrency connoisseur • Startup supporter • Badminton buff