



Mufeez Amjad

Software Engineering, University of Waterloo

mufeez.me 

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SKILLS

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

Technologies: Kubernetes, AWS, Airflow, Flask, React, TypeScript, Express, GraphQL, Postgres, NoSQL

WORK EXPERIENCE

- **Software Engineer Intern - Cloud Infra | Splunk** May - Aug 2021 | Remote
 - Worked on supporting Splunk's ongoing production releases to its fleet using *Golang, Kubernetes operators, AWS*
 - Drove a **30% decrease in developer manual toil** by adding CI pipeline stages to validate and automate fleet deployment
 - Led the shift from weekly to monthly release cycles, **improving reliability** and **reducing manual toil by 75%**
- **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**
 - Led 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 *graphql* 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 ~\$100,000** 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, OS, Compilers, Design Patterns, Cryptography, Formal Verification, UI, Software Testing

INTERESTS

Design • Big Data • Cryptography • Financial Markets • Cryptocurrency • Startups • Badminton