Mufeez Amjad

Software Engineering, University of Waterloo

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SKILLS

Languages: Python, C, C++, Java, Scala, VHDL, Swift, JavaScript, SQL, Sass, C#

Technologies: React, Node.js, AWS, Flask, GraphQL, PostgreSQL, Express, TypeScript, React Native, MongoDB

WORK EXPERIENCE

Backend Engineer Intern - Media Buying | *Tatari*
Jan - Apr 2020 | New York, NY

- Developed end-to-end features for new booking platform **driving millions of dollars in weekly spend** using *Flask* & *React*
- Leveraged *SQLAlchemy* ORM events to extend support for audit versioning to include a paper trail with user attribution
- Optimized queries resulting in an **80% decrease in page load times** with *GraphQL* and *graphene* connections
- Independently created dashboard for workflow improvements and statistics **used by over 45% of the company**

Software Engineer Intern – Ecommerce | *KitchenMate*
May - Aug 2020 | Toronto, ON

- Re-engineered the creation of printed labels using ***S3 & Lambda***, halving server boot time and **processing data 78% faster**
- Spearheaded a product launch of halal dishes, growing weekly active users by approximately 2%
- Devised a **graph search SQL** algorithm to aggregate the cost of ingredients, driving up to a **37% decrease in food costs**
- Pioneered the implementation of an OLED display for future iterations of the IoT cooker using Python *luma* and *Pillow*
- Created a meal recommendation system factoring in dietary preferences and past orders, **increasing daily orders by 8%**

Freelance Graphic/Web Designer | *MA Designs*
Apr 2015 – Jul 2018

- Converted and **contracted 200+** medium-sized business clients for websites, UI/UX, branding, and product design
- Generated **$18,000+ in revenue**, experiencing an average of 65% year on year growth over a span of 3 years
- Designed and published four approved Snapchat geofilters with a total of over **2.2 million views**

PROJECTS

Status | *React Native, Apollo Server & Client, GraphQL, AWS*
Social media app for spontaneous group events

- Developed and designed a social media React Native app for discovering and facilitating impulsive plans with friends
- Architected a **subscription-based** GraphQL backend with real-time messaging and location sharing

Auxilium | *Node.js, Python, React, Stellar Blockchain, AWS, MongoDB*
Registered micro-financing for low income populations - **Winner at PennApps XX**

- Developed backend with **local persistence**, transaction storage on the blockchain, Twilio & **AWS Rekognition** integration
- Implemented core ATM functionalities including deposit and withdrawal using a Raspberry Pi 3 with hardware modules

Bubble Burst | *Swift, Firebase*
iOS Arcade game on the App Store - Published in 2019

- Scoped and developed an iOS game with accessibility features, gaining 10,000+ ad impressions through Google Admob
- Amassed over **1,100 downloads**, a **4.9 rating**, and over 40k impressions on the App Store with organic marketing

Stellar Tip | *Node.js, jQuery, AJAX, Stellar Blockchain*
Chrome Extension for contributing to content creators - **Winner at HackNYU**

- Dynamically embedded buttons integrated with **SEP 7 protocol** on webpages using jQuery, Node.js and multiple APIs
- Featured on Stellar's Twitter (200k+ followers) and podcast in addition to receiving support for the Stellar Community Fund

EDUCATION

University of Waterloo | Bachelor's of Software Engineering (B.SE.)
Sep 2018 – Apr 2023

Relevant Coursework: Sequential Programs, Optimization, Data Abstraction, Digital Computers, Programming Principles
Engineering Ambassador, 5+ Hackathons, StarterHacks Mentor, WATonomous Design Team, Badminton, MSA