Mufeez Amjad

Software Engineering, University of Waterloo

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SKILLS

Languages: Python, C, C++, Java, JavaScript, SQL, Sass, Swift, Scala, 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 API endpoints with *GraphQL* and *graphene* connections resulting in an **80% decrease in page load times**
- Independently created KPI dashboard **used by over 45% of the company** with *React, Apollo Client, and Flask*
- Aligned key stakeholders across 3 teams, conducted user interviews, and designed wireframes for dashboard project

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

- Re-engineered the creation of printed labels using *S3 & Lambda*, **processing data 78% faster and halving server boot up**
- 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**
- Initiated 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 | Remote

- 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 over 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 S3*
Social media app for location-based group events

- Developed and designed a social media React Native app for discovering and facilitating spontaneous 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

EDUCATION

University of Waterloo | **Candidate for Bachelor's of Software Engineering (B.SE.)**
Intended Minor in Combinatorics & Optimization
Sep 2018 – Present

Relevant Coursework: Sequential Programs, Optimization, Data Abstraction, Digital Computers, Programming Principles