Faesal Murad

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EXPERIENCE

Google New York, NY
Software Engineer III Jan. 2022 - Present

- Automated internal dashboard development workflows for using **TypeScript** and **Go**, significantly reducing the onboarding time for new teams
- Led the development of client-server infrastructure automatically fix common development blockers using **Go** and **gRPC**, resulting in increased internal developer satisfaction.

Google Sunnyvale, CA
Software Engineer II, Site Reliability Jan. 2021 - Dec. 2021

- Developed monitoring tools for Google's Virtual Private Clouds using **Monarch** and **Python**, resulting in increased service availability
- Onboarded new control-plane components for global internal services using **Python** and internal cluster management tools streamlining cross-team deployments
- Provided technical guidance as a Project Advisor for Google SPS, a program where students build a web application using Google APIs, **Java**, and **JavaScript**

Google Sunnyvale, CA
Software Engineering Intern Feb. 2020 - May 2020

- Developed an automated debugging framework to analyze system failures during on-calls using **Go**, **Stubby**, and **Cloud Pub/Sub**, reducing incident resolution time
- Implemented multi-threaded resource libraries in **Go** and **Dremel** to collect distributed metrics
- Optimized internal monitoring infrastructure by eliminating redundancies in cross-functional libraries

Bold Commerce Winnipeg, MB
Software Developer Intern May 2019 - Aug. 2019

- Created highly scalable microservices to serve over 100,000 merchants using **Go** and **Docker**
- Implemented REST APIs to create and manage draft orders on various e-commerce platforms using **Go**
- Designed new storefront widget prototypes for event creation and ticket distribution using **React**

Tantalus Systems Vancouver, BC
Software QA Developer Intern Jan. 2017 - Dec. 2017

- Developed test scripts using **Selenium WebDriver**, **Python**, and **Jenkins** to verify new functionality
- Automated report generation processes for key customers using **VBA**, decreasing delivery time by 60%
- Incorporated new message handling features for network simulations using **Python** and **Bash**

PROGRAMMING SKILLS

Languages: Go, Python, Java, C++, Bash, C, SQL, TypeScript, JavaScript, VBA
Frameworks and Tools: Git, App Engine, Google Pub/Sub, Datastore, gRPC, Stubby, Docker, Selenium, React, Angular, Django

EDUCATION

University of Victoria Victoria, BC
B.Sc. in Computer Science, With Distinction (GPA: 3.8/4.0, Dean's List) Dec. 2020

- Undergraduate Research in Parallel Skyline Groups Computation
- Teaching Assistant, Software Development Methods