# Faesal Murad

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## EXPERIENCE

**Google**                                                                New York, NY
Software Engineer III                                                     Jan. 2022 - Present
- Designed and Led the development of new cross-team dashboards for monitoring team efficiency using **TypeScript** and **Java**
- Automated GCP team onboarding workflows using **TypeScript** and **Go**, reducing the onboarding time by by 10%
- Led the development of client-server infrastructure to automatically diagnose and fix common development blockers using **Go** and **gRPC**, increasing internal developer satisfaction
- Spearheaded a 3-week initiative to increase code quality, reducing tech debt by 20% and increasing code coverage by 30%

**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