

# Faesal Murad

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github.com/faesalm

## EXPERIENCE

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### Google

New York, NY

Software Engineer III, Developer Productivity

Jan. 2022 - Present

- Designed new dashboards for monitoring team metrics using **TypeScript** and **Java**, increasing efficiency for **100+** Google Cloud teams
- Automated team onboarding workflows using **TypeScript** and **Go**, reducing onboarding time 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 **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

- Created integration and unit tests using **Selenium**, **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

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**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

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### 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