

# TANZEELA KHAN

## Software Engineer

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## EXPERIENCE

### Full Stack Software Engineer

#### Vanta

📅 09/2025 - 05/2026 📍 San Francisco, CA

- **Built enterprise scoping system adopted by 15% of customers**
  - Built enterprise business-unit architecture, enabling customers to manage and segregate compliance across products.
  - Developed modular backend services, MongoDB data models, GraphQL APIs, and internal tooling powering Vanta's enterprise scoping platform.
  - Executed migration of platform-wide scoping infrastructure from single global scoping to segmented scoping, reducing regressions in audits and unifying behavior across the product.
  - Collaborated across testing, people, and core teams to integrate architecture into customer workflows and downstream systems.
  - Following launch, adoption grew to 15% of customers and evolved into a strategic company initiative.
- **Reduced test freshness latency from 24 hrs to real time**
  - Researched, designed, and built a trigger that automated test reruns after customer scoping changes, improving customer experience and product consistency.
  - Performed load analysis across distributed systems (BullMQ, SQS, Kafka topics). Built dashboards to track queue throughput.
  - Implemented deduplication, batching, logging, and TTL strategies to reduce test execution and lower queue pressure.

### Software Engineer

#### Reddit

📅 09/2019 - 07/2025 📍 San Francisco, CA

#### Backend: 2022-2025

- **Developed first federated GraphQL microservice in Golang**
  - API Design - Federated GraphQL by carving out microservices, increasing service reliability and team efficiency.
  - Minimized regressions by orchestrating Kubernetes rollout.
  - Resolved longstanding concurrency issues by rewriting Python implementation in Golang.
- **Led migration of Trending endpoint to decrease latency by 49%**
  - Significantly increased revenue and enabled future development by migrating major endpoint from legacy API into GraphQL.
  - Outperformed previous latency by utilizing caching, GraphQL's batching mechanism, and business logic optimizations.
  - Promoted accelerated rollout, unblocking ongoing projects and allowing company to reap gains one month sooner.
- **Architected Server-Driven UIs (SDUI) for Search**
  - Redesigned Search API Gateway for SDUIs, enabling dynamically curated mixed-feed search experiences.
  - Implemented backend infrastructure for AI-driven query classification and configurable search experiences, allowing search result layouts to be configured based on user intent.
- **Improved NSFW flagging accuracy by 60% with ML classifier integration**
  - Reduced unexpected explicit content by utilizing ML model.
  - Monitored metrics in Postgres to calibrate NSFWness scores.
  - Calibrated threshold that achieved the optimal balance of less search attempts and less bad interactions.

#### iOS Infra: 2019-2022

- **Contributed to 70% conversion of Objective-C repo to Swift**, empowering engineers to reap the benefits of modernized infra.
- **Mentored an intern building a pluggable framework** to enable third-party logger vendors (Firebase, Sentry) to be seamlessly wired in.
- **Led fast-paced migration of Reddit's Crashlytics infrastructure**, resolving CI/CD and debug symbol issues directly with Google.

## EDUCATION

### B.S. Computer Science

#### University of California, Los Angeles

📅 09/2015 - 06/2019

## SKILLS

### Languages

Golang

Python

Typescript

Javascript

React

C++

### Backend

GraphQL

gRPC

Node.js

SQS

BullMQ

SQL

MongoDB

Docker

### Tools

Prometheus

Grafana

Vercel

Sentry

Git

Figma

Datadog

## AWARDS



### 1st Place | Agent Store Hack 2025

- Built AI agent using OpenRouter API, Exa.ai MCP, Codebuff agent builder to surface menu items tailored to users' dietary restrictions.



### 1st Place | ChatGPT API Hack 2023

- Trained a voice agent with an LLM to play games with children.
- Integrated into a teddy bear: [Demo](#)



### Winner | Marathon-Hackathon 2023

- Built a Flask backend for an ML-powered calendar aggregating cross-platform social media activity.
- Interleaved 26 hours of coding and running a full marathon distance.



### 3rd Place | No Wrappers Hack 2023

- Trained Whisper on whale sounds corpus to build whale songs generator.



### Invitee | APEC GenerateSF 2023

- Categorized bills using LLMs and multi agents, matched to each supervisor in a delightful visualizer.