

# Imaan Gill

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## SKILLS

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- Programming Languages: Python, TypeScript, C++, C, JS, HTML + CSS, SQL, JSX, Java, Rust, Sass, Racket
- Technologies: Django, React, Docker, Helm, Azure, Node.js, Next.js, gRPC, PostgreSQL, GraphQL, Git, Linux, Bash

## WORK EXPERIENCE

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*Fullstack Software Engineer – API Platform Team: Carta* (Jan. 2024 – Apr. 2024)

- Led development of Public API endpoints in Python by defining and implementing gRPC services with OAuth scopes and configuring Helm infrastructure to facilitate public and internal requests through Kong API gateway
- Coordinated with SREs and key engineering stakeholders to perform API load testing using Locust and Datadog
- Quickly learned details of equity awards and securities vesting to lead migration of RSA APIs to new service

*Fullstack Software Engineer – Platform Experience Team: Carta* (May 2023 – Aug. 2023)

- Led implementation of 409A display using RESTful Django view, gRPC endpoint and React frontend to consume API, leading to a 20% increase in Fair Market Values obtained by customers
- Worked across domains to overhaul VC platform navigation using React/Django to greatly improve customer UX
- Initiated formation of new team through investigation of critical performance issues by emitting Datadog metrics

*Fullstack Software Engineer: Interaptix Augmented Reality* (Jan. 2022 – Apr. 2022, Sep. 2022 – Dec. 2022)

- Expanded features of scalable web application using Django backend leveraging Azure cloud infrastructure
- Improved UX for customers by implementing a full UI redesign for Material Design-based React application
- Engineered REST APIs to facilitate requests across frontend and backend application servers
- Increased application performance through implementation of API pagination and database access optimization
- Enhanced API flexibility and efficiency through implementation of GraphQL and overhaul of existing schema

*Backend Python Engineer: Avante IO Inc.* (May 2021 – Aug. 2021)

- Led backend development on a Django web app using Python and PostgreSQL in a dockerized environment
- Analyzed QA reports, designed unit tests, utilized variety of debugging techniques to improve platform reliability
- Greatly improved efficiency of existing task scheduling system by engineering a debouncing algorithm using the Celery asynchronous task queue and RabbitMQ message broker

## PROJECTS

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- [Hive](#) - Python, Django, MySQL, JS, HTML + CSS
  - Collaborative Machine Learning data collection platform powered by Dropbase API and Firebase
  - Data shared by users is preprocessed and written to CSV files using Python
  - CSV files loaded onto a deployed database through REST calls to Dropbase API
  - Spotlighted on Dropbase's corporate blog for innovative API usage
- [Tonus](#) - Python, Django, Tensorflow, JS, SQLite, HTML + CSS
  - Musical analysis Django web app that utilizes machine learning to identify musical notes and chords
  - Gathered custom dataset to train Tensorflow Audio Recognition Model
  - Uses deep learning and Convolutional Neural Network applied to audio spectrograms to classify music

## EDUCATION

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- Bachelor of Computer Science, University of Waterloo, Waterloo, ON (Sep. 2020 – Apr. 2025)
- Relevant Coursework: Data Structures and Algorithms, User Interfaces, OOP, Operating Systems, Compilers