

ANIRUDH IYER

Software Engineer

a24iyer@uwaterloo.ca · (905) 616-1772

[anirudhi.github.io](https://github.com/anirudhi)

EDUCATION

University of Waterloo
BSc Computer Science (Honours)

Waterloo, ON
Sep 2016 - Mar 2021

SKILLS

Languages: Javascript, C++, Scala, Java C, Golang, PHP, Lisp.

Technologies: React, Node, Spark, Docker, GraphQL, Mongo, MySQL, CircleCI, TensorRT, Redis, gRPC, AWS, Jest.

EXPERIENCE

Paravision
Software Engineer

San Francisco, CA (Remote)
May 2020 | Aug 2020

- Improved inference time by 20% in high throughput face recognition SDK by rebuilding TensorRT workflow in ONNX.
- Developed a system to compile and distribute SDK releases at scale for Paravision's primary C++ CV platform with CircleCI.
- Reduced GPU utilization by 15% in RTS app by detecting unused frames and implementing NMS.
- Created production ready, multi stage Docker images to use for Computer Vision deployment.

SelfMade
Software Engineer

New York, NY
May 2019 | Aug 2019

- Created a referral system and targeted onboarding to increase user acquisition for SelfMade Collabs by 400%.
- Built REST APIs in Meteor/Node.js to handle multi-user chat, Instagram giveaways and several other collaboration tools.
- Developed components in React/Redux for user profile creation and brand filtering.
- Optimized API worker instances on EC2 to handle over 200% more concurrent jobs from >50 SQS queues.

Shopify
Software Engineer

Ottawa, ON
Sep 2018 | Dec 2018

- Migrated the Shopify admin from Ruby on Rails to a GraphQL, React.js/Typescript stack as part of the core logistics team.
- Implemented a new refunds flow in React, reducing page load time by 30% and integrating location based fulfillment and bulk orders.
- Architected GraphQL APIs and created interface elements for order editing, the most requested feature on the Shopify platform.
- Ensured client security at scale through end-to-end testing with Enzyme/Jest.

Mani Wonders
Fullstack Developer

Toronto, ON
Jan 2018 | April 2018

- Refactored and redeveloped their primary ecommerce service resulting in 12x faster load times and an 80% reduction in data loaded.
- Introduced version control management to the codebase and dramatically sped up developer productivity by setting up a continuous integration pipeline.

Inksmith
3D Design and Firmware Developer

Kitchener, ON
May 2017 | Aug 2017

- Developed an extensible Arduino based robotics platform consisting of low cost, 3D printed parts for educational use.
- Designed a variety of CAD models for various client needs, with optimisations for additive manufacturing.

PROJECTS

You Can Get In *React.js, Golang, MongoDB*

github.com/anirudhi/YouCanGetIn

A web application that provides prospective university students with acceptance averages and other metrics.

WoofWoof *Javascript, Web Sockets, Node.js#*

github.com/anirudhi/WoofWoof

A .io style game built with web sockets allowing massively multiplayer concurrent gameplay on the browser.