

Amar S. Gill

Software Engineer

WORK EXPERIENCE

Clearco (formerly Clearbanc)
Toronto, ON

Software Engineer II
August 2022 – Present

- Modernized team CI/CD pipelines, reducing time to ship features:
 - adopted Helm chart deploys for services not using them
 - implemented a PR to production pipeline that also deployed to preview and staging environments for testing
 - decoupled team services from monorepo release schedule
- Upgraded automatic invoicing system to generate invoices on variable dates versus a previously fixed schedule:
 - enabled a more flexible capital product offering
 - improved cash flow predictability

Clearco (formerly Clearbanc)
Toronto, ON

Software Engineer
Nov 2020 – July 2022

- Overhauled offer math engine used by all deals made by company
 - increased offer size for 80% of deals since launch
 - 25% more capital deployed over all through improved offer accuracy
 - top-up deals have increased capital 95% of the time
 - saved dozens of hours for risk & diligence team by eliminating manual escalations
- Iterated upon the mission critical automatic invoicing system, saving dozens of hours each month for the payments team
 - automatically pause debits and adjust invoice amounts for customers who are on capped payment plans
- Architected and then delivered the improvement to revenue aggregation system, unblocking deals for our largest customers measured by e-commerce revenue
- Collaborated with design team on implementing a reusable component library for the new design system, leading to 30% increased code throughput on front end projects
- Developed the technical specifications and then delivered the front end redesign for the customer facing application
 - lead to 20% faster capital spend by founders on new design
 - 25% reduction in customer support requests
- Integrated the Superblocks low code platform into our systems, freeing up dev resources through rapid iteration of internal tooling
- Upgraded the underwriting system to allow offer generation for Denmark, Sweden and Switzerland, key to soft launching in those countries

Morrison Hershfield
Burlington, ON

Building Science Consultant
Mar 2017 – June 2019

- Accelerated market adoption of NaturaSeal, a new entrant into the building membranes market by being the on call technical reference for their clients and regulatory matters
 - Drafted drawings and specifications for their product offerings
 - Maintained and iterated on the file on behalf of the client
 - QA site reviews to enable warranties for their clients

EDUCATION

McMaster University
B. Eng. Mgmt, Civil

Apr 2016

Five-year program combining engineering with business

Next Academy Bootcamp
Full Stack Web Development

Sep 2019

Ten-week intensive coding bootcamp culminating in launch of an app idea

KEY TECHNOLOGIES

Front End

VueJS

ReactJS

NextJS

SvelteJS

Tailwind CSS

ThreeJS

Responsive UI

Cypress

Back End

NodeJS

Go

PostgreSQL

MongoDB

RabbitMQ

Firebase

Typescript

Jest

Dev Ops

Docker

Kubernetes

Google Cloud

Jenkins

PERSONAL PROJECTS

<https://clima-viz.vercel.app>

Climate data visualization

<https://particle-cloud-alpha.vercel.app>

Creative coding exercise

SELF STUDY

Nand2Tetris Part I

University of Jerusalem Online

Logic gates, chip design, assemblers

CS50

Harvard University Online

Introductory CS with C programming

CONTACT

tel: 1-647-222-4238

mail: amar.s.gill@outlook.com

website: <https://amar-gill.vercel.app>

github: <https://github.com/Amar-Gill>