

# Amar S. Gill

## Software Engineer

### WORK EXPERIENCE

**Clearco (formerly Clearbanc)**  
Toronto, ON

**Software Engineer II**  
August 2022 – Present

- Designed and implemented variable day of the week / month invoicing of the automatic invoicing system enabling a more flexible capital product offering and improving cashflow predictability
- Modernized the deployment of the adjudication service used for underwriting of all deals:
  - Moved the deployment pipeline to use Helm charts
  - Overhauled the Jenkins pipeline enabling faster build times and simplifying production releases

**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
  - tech design for variable lengths of capped payment periods
- 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

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