Amar S. Gill
Software Engineer

WORK EXPERIENCE

Clearco (formerly Clearbanc)   **Software Engineer**
Toronto, ON   **Nov 2020 – Present**

- 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
  - tech design for variable invoice dates for automatic payments
- Architected and then delivered the improvement to revenue aggregation system, unblocking deals for our largest customers measured by e-commerce revenue data
- 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

Morrison Hershfield   **Building Science Consultant**
Burlington, ON   **Mar 2017 – June 2019**

- Accelerated market adoption of a new entrant into the building membranes market by being the on call technical reference for their clients and regulatory matters
  - Drafted technical details 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
- Building envelope commissioning services for Humber College Building Nx, a deep energy retrofit of a 5 storey administrative building
  - Achieved a 70% energy use reduction and 90% GHG emission reduction
  - Construction field review and reporting
  - Field testing of assemblies for air and water leakage
- Quality assurance review for the concrete foundation of Novus, a two tower mixed use development in Toronto
  - Ensured conformance to manufacturer specifications, enabling the 25 year extended warranty of foundation waterproofing for the building owner and client

SUMMARY

Determined engineer who learns quickly with a track record of solving complex business problems.

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

SKILLS

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://ifrit.vercel.app
Climate data visualization

https://particle-cloud-alpha.vercel.app
Creative coding exercise

https://learning-quest.vercel.app
Learning game for children

CONTACT

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