Amar S. Gill
Software Engineer

WORK EXPERIENCE

Clearco (formerly Clearbanc)   **Software Engineer II**
Toronto, ON   **August 2022 – Present**

- Successful stewardship and operation of critical data integrations used as inputs for the company's AI models, ensuring seamless data flow and uninterrupted functionality
  - Amazon, Shopify, Stripe, Paypal, Plaid data sources
  - Over 5 terabytes of data imported through the integrations
- Developed and implemented robust data transformation pipelines to efficiently process and enhance ingested ecommerce data, resulting in improved accuracy and reliability of downstream AI models
- Spearheaded a transformative upgrade of the team's Continuous Integration/Continuous Deployment (CI/CD) pipeline, implementing industry best practices and innovative Pull Request to Production work-flow, reducing time to test and deploy new features by 90%
- Upgraded the automatic invoicing system to generate invoices on variable dates versus a previously fixed schedule, enabling a more flexible capital product offering and improved cash flow for the business
- Design and implementation of the automatic customer segmentation engine consumed by the data science team's risk models, resulting in reduced default rates

Clearco (formerly Clearbanc)   **Software Engineer**
Toronto, ON   **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
- Upgraded the underwriting system to allow offer generation for Denmark, Sweden and Switzerland, key to soft launching in those countries

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@in2deep.xyz
website:	https://in2deep.xyz
github:	https://github.com/Amar-Gill