

Maas Lalani

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EDUCATION

- **York University** Toronto, Canada
Bachelor of Computer Science; Received (2) full-ride scholarships from Shopify and York University *Aug 2018 - May 2022*

SKILLS SUMMARY

- **Languages & Frameworks:** Go, JavaScript, React, Ruby, Rails, SQL, Nix, Bash
- **Tools & Technologies:** Kubernetes, Docker, Git, Linux, NixOS, GraphQL, Augmented / Virtual Reality

EXPERIENCE

- **Charm** New York, NY (Remote)
Developer *May 2022 - Current*
 - **Gum:** Designed and built an open-source tool to help developers build better shell scripts called Gum (10k+ stars).
 - **VHS:** Building a tool to help developers record automated demos for their command-line tools (unreleased)
- **Shopify** Toronto, ON
Developer *Aug 2018 - Apr 2022*
 - **Developer Tooling:** Worked on Spin (cloud-based development environments)
 - Improved set up time of Shopify's monolith from 20 minutes to 1 minute (20x improvement) through cloud environments
 - **Infrastructure Security:** Multi-tenancy Security
 - Worked on securing Shopify's multi-tenant infrastructure on Google Cloud Platform and Kubernetes by implementing better security practices
 - Worked on a tool to allow Shopify employees to request elevated permissions to our infrastructure on-demand to avoid accidental changes and to improve auditing / change visibility
 - **Augmented / Virtual Reality:**
 - Worked on a pipeline to allow Shopify merchants to upload 3D models to their stores
 - Contributed to Google's `<model-viewer>` library: Interaction Prompt, Asynchronous Screenshots
 - Worked on machine learning technology to create a synthetic data set of thousands of images generated from a single 3D model to create a product recognition model.
 - Worked on size.link, an augmented reality dimension visualization tool for easier online shopping (100k+ page views).
- **Locket Camera** Los Angeles, CA (Remote)
React-Native Developer *Jan 2022 - Apr 2022*
 - **Locket Android:** Built the entire Locket Android application in three months with React Native
 - Released Locket Android to the Google Play store.
 - 1 million+ downloads
 - 4.3 star rating with 32,500+ reviews
- **Hawkeye** Santa Barbara, CA (Remote)
Co-founder *May 2019 - Jan 2022*
 - **User Testing:** Built a research platform that provides insight on where (participating / consenting) users are looking while using products with only an iPhone. <https://usehawkeye.com>
 - 30,000+ sign ups
 - **Accessibility:** Built an application that allows people with motor disabilities to use their iPhone with only their eyes. <https://usehawkeye.com/access>
 - 250,000+ downloads
 - Featured on devices at Apple Retail stores

PATENTS

- Augmented reality-assisted methods and apparatus for assessing fit of physical objects in three-dimensional bounded spaces: <https://patents.google.com/patent/US20220130126> (Pending)
- Computer-implemented systems and methods for in-store route recommendations: <https://patents.google.com/patent/US20220092681> (Pending)
- Systems and methods for generating augmented reality content based on distorted three-dimensional models: <https://patents.google.com/patent/US11398079> (Active)