

# Maas Lalani

Website: <https://maaslalani.com>

GitHub: <https://github.com/maaslalani>

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## EDUCATION

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

## SKILLS SUMMARY

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

## EXPERIENCE

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- **Charm** New York, NY (Remote)  
*Developer* May 2022 - Current
  - **Gum:** Designed and built an open-source tool to help developers build better shell scripts (16.9k+ stars).
  - **VHS:** Built a tool to help developers record automated demos for their CLIs and TUIs (14k+ stars).
  - **Pop:** Built a tool for developers to send email from the terminal (2.1k+ stars).
  - **Huh?:** Built a library for developers to build terminal forms (3.4k+ stars).
  - **Freeze:** Built a tool to take screenshots of code and terminal output (2.5k+ stars).
- **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.
    - 10 million+ downloads
    - 4.7 star rating with 179,000+ 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

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- 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)