Shabaz **Badshah**

⌂ www.shabazbadshah.com | ⌂ ShabazBadshah | ⌂ shabaz-badshah

Experience

Product Manager - Android Agents
Toronto, Canada

SOTI Inc.
Sep. 2020 - Present

- Responsible for SOTI's **Android Agent (i.e. apps) integration** and support within the SOTI MobiControl EMM platform

Teaching Assistant - Software Engineering
Toronto, Canada

University of Toronto Mississauga.
Jan. 2020 - April. 2020

- Taught students the essentials of Enterprise software engineering through topics such as Git, CI/CD, **product management**, and **agile methodologies**
- Facilitated weekly practicals and office-hours which provided students a collaborative environment to **enhance their overall learning experience**
- Created original course-content, assignments, and evaluations to **educate 150+ students about Microservice design patterns**

Product Manager - Android Enterprise
Toronto, Canada

SOTI Inc.
May. 2018 - August. 2019

- Continued development and **drove roadmap execution** for SOTI MobiControl's Android Enterprise (AE) B2B EMM platform
- Promoted the growth of Android Enterprise platform within the B2B sector, ultimately **increased adoption by 120% for the 2018/19 FY**
- Collaborated with Google's AE Business, AE Product, AE Engineering, and Pixel teams to enhance integration into SOTI MobiControl, including SOTI's AER 2019 EMM certification
- **Drove multiple solution sets within cross-functional Agile engineering teams** by specifying requirements via user stories, UX/UI mock-ups, and high level design documentation
- **Conducted market research for product enhancements** supported by Client calls, visits, and **Beta testing for 200+ AE devices**
- Trained organization and customers on new product features through workshops, training videos, user-help files, and technical documentation

Fullstack Web Developer
Toronto, Canada

Lucas Transportation Systems Inc.
July. 2017 - Oct. 2017

- An internal site which manages trucking logistics
- Implemented a **NodeJS** backend using **JavaScript** and **Express**, using **REST** calls to fetch data from a **PSQL** server to retrieve updated prices for trucking site
- Set up a **responsive React frontend** for admins to easily update prices, invoices, and shipments through desktop or mobile endpoints

Projects

Valorant Medical Logistics System

Source Code
Q3 2020

- A **microservice** medical logistics web-app that allows Patients to book appointments, and Doctors to manage their practices more efficiently
- Implemented a **NodeJS API Gateway** that **proxies GraphQL** requests to the appropriate microservice using the **Aggregator pattern** in addition to writing tests using **Mocha+Chai**
- **Authenticated user requests against a PSQL DB using JWT tokens** and user roles types, and rate-limited aggregate number of requests per client
- **Integrated a RabbitMQ notifications stream** for realtime Patient notifications
- **Dockerized gateway to allow for simplified deployment** on GCP, and easier horizontal scaling

Vesta Secure File Sharing

Source Code
Q1 2020

- An Android+web app that allows users to encrypt and share files securely by managing their unique keys on their Android devices
- **Serialized RSA public keys (stored within Android's KeyStore) to Base64 encoding** so they could be shared amongst users using QR codes
- Allowed transfer of files between React web-clients using **SocketIO** proxied through a NodeJS backend

Python Google Images Downloader

Source Code
Q3 2017

- A **Python script** that downloads images from Google Images for a given list of search queries
- Implemented **BFS traversal** to grab all image links from the Google Images result page
- Employed Python's **os module** to create directories which stored each search result's images and their logs

Education

University of Toronto Mississauga
Toronto, Canada

Honors B.Sc. Computer Science
Sep 2015 - Aug 2020