Kashav Madan

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Technical Skills

Languages & Frameworks:

Node.js, Python, Go, Java, JavaScript (React, AngularJS), PHP, SQL/NoSQL, HTML5, CSS3 (Sass, LESS)

Software & Tools:

Git/SVN, Bash, MongoDB, Redis, MySQL/PostgreSQL, Docker, AWS, macOS/Linux

Education

B.Sc., Computer Science (Sep. 2015 - May 2019)

University of Toronto

- CGPA of 4.0 in Computer Science (CSC) courses.
- Relevant courses: Software Design, Theory of Computation, Computer Organization, Data Structures and Analysis, Systems Programming, Intro. to Databases

Employment Experience

Web Developer (Sep. 2016 - Present)

UofT Entrepreneurship Hatchery

- Lead development of Dashboard platform used by Hatchery teams and fellows.
- Restructured platform backend to take advantage of REST architecture.
- Introduced version control (Git) into developer workflow.

Web Developer (May 2016 - Sep. 2016)

Ontario Public Service

- Designed, developed, and tested software for enterprise-wide Intranet platform with over 40,000 daily users.
- Implemented distributed cache with Redis to significantly reduce page-load and server response times.
- Improved site-wide search functionality by refactoring Elasticsearch implementation and rewriting various front-end search components.

Selected Projects

Chapsule (Apr. 2015 - Present) – Node.js, MongoDB, React Native

- Mobile platform to collaboratively collect, share, and view photos at events and gatherings.
- Lead development of backend components and mobile applications.

Drop-In (Dec. 2016) – Go, React Native

- Android application to view active classes at the University of Toronto for any time.
- Utilizes user location to search and sort classes based on proximity.

nba.js (Sep. 2016) – Node.js

- Node module to interface with the NBA's *private* API.
- Over 160 stars on GitHub as of January 2017.
- Built by monitoring and replicating network requests made by NBA.com web applications.

Brampton Transit API (May 2016) – Node.js, Redis

- REST API for live Brampton Transit (bus) times.
- Retrieves data through scraping NextRide (web service) in real time.

Volunteer Experience

Webmaster, UofT Web Development Club (Jan. 2017 - Present)

Web Developer, UofTHacks (Sep. 2016 - Present)

Ambassador, University of Toronto (Dept. of Computer Science) (Aug. 2016 - Present)