

Kashav Madan

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Technical Skills

Languages & Frameworks:

Node.js, Python, Go,
JavaScript (React, Angular),
Java, 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

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, Databases

Sep. 2015 - May 2019

Employment Experience

Web Developer

UofT Entrepreneurship Hatchery (Toronto, ON, Canada)

- Lead development of Dashboard platform used by teams and fellows.
- Restructured platform backend to take advantage of REST architecture.
- Substantially improved registration and team-making process by reworking core matching algorithms.
- Introduced version control (Git) into development workflow.

Sep. 2016 - Present

Web Developer

Ontario Public Service (Toronto, ON, Canada)

- Designed, developed, and tested software for enterprise-wide Intranet platform for over 35,000 users.
- Implemented distributed cache with Redis to significantly reduce page-load and server response times.
- Improved site-wide search by refactoring Elasticsearch implementation and rewriting front-end components.

May - Sep. 2016

Selected Projects

Chapsule (Node.js, MongoDB, React Native)

- Mobile platform to collaboratively collect, share, and view photos at events and gatherings.
- Lead development of server components and iOS/Android applications.

Apr. 2015 - Present

Drop-In UofT (Go, React Native, Java)

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

Dec. 2016

nba.js (Node.js)

- Node.js 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 official NBA web applications.

Aug. 2016

Brampton Transit API (Node.js, Redis)

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

May 2016

Volunteer Experience

Webmaster, UofT Web Development Club

Jan. 2017 - Present

Lead Web Developer, UofTHacks

Sep. 2016 - Present

Ambassador, University of Toronto (Dept. of Computer Science)

Aug. 2016 - Present